

SCH-R270

M O B I L E P H O N E

User Manual

**Please read this manual before operating your
phone and keep it for future reference.**



Intellectual Property

All Intellectual Property, as defined below, owned by or which is otherwise the property of Samsung or its respective suppliers relating to the SAMSUNG Phone, including but not limited to, accessories, parts, or software relating there to (the “Phone System”), is proprietary to Samsung and protected under federal laws, state laws, and international treaty provisions. Intellectual Property includes, but is not limited to, inventions (patentable or unpatentable), patents, trade secrets, copyrights, software, computer programs, and related documentation and other works of authorship. You may not infringe or otherwise violate the rights secured by the Intellectual Property. Moreover, you agree that you will not (and will not attempt to) modify, prepare derivative works of, reverse engineer, decompile, disassemble, or otherwise attempt to create source code from the software. No title to or ownership in the Intellectual Property is transferred to you. All applicable rights of the Intellectual Property shall remain with SAMSUNG and its suppliers.

Open Source Software

Some software components of this product incorporate source code covered under GNU General Public License (GPL), GNU Lesser General Public License (LGPL), OpenSSL License, BSD License and other open source licenses. To obtain the source code covered under the open source licenses, please visit:

<http://opensource.samsung.com>.

Disclaimer of Warranties; Exclusion of Liability

EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED ON THE WARRANTY PAGE ENCLOSED WITH THE PRODUCT, THE PURCHASER TAKES THE PRODUCT "AS IS", AND SAMSUNG MAKES NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE; THE DESIGN, CONDITION OR QUALITY OF THE PRODUCT; THE PERFORMANCE OF THE PRODUCT; THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING

THERE TO. NOTHING CONTAINED IN THE INSTRUCTION MANUAL SHALL BE CONSTRUED TO CREATE AN EXPRESS OR IMPLIED WARRANTY OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT. IN ADDITION, SAMSUNG SHALL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND RESULTING FROM THE PURCHASE OR USE OF THE PRODUCT OR ARISING FROM THE BREACH OF THE EXPRESS WARRANTY, INCLUDING INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, OR LOSS OF ANTICIPATED PROFITS OR BENEFITS.

SAMSUNG IS NOT LIABLE FOR PERFORMANCE ISSUES OR INCOMPATIBILITIES CAUSED BY YOUR EDITING OF REGISTRY SETTINGS, OR YOUR MODIFICATION OF OPERATING SYSTEM SOFTWARE.

USING CUSTOM OPERATING SYSTEM SOFTWARE MAY CAUSE YOUR DEVICE AND APPLICATIONS TO WORK IMPROPERLY.

Samsung Telecommunications America (STA), LLC

Headquarters:

1301 E. Lookout Drive

Richardson, TX 75082

Customer Care Center:

1000 Klein Rd.

Plano, TX 75074

Toll Free Tel: 1.888.987.HELP (4357)

Internet Address:

<http://www.samsung.com>

©2012 Samsung Telecommunications America, LLC. Samsung is a registered trademark of Samsung Electronics Co., Ltd.

Do you have questions about your Samsung Mobile Device?

For 24 hour information and assistance, we offer a new FAQ/ARS System (Automated Response System) at:

www.samsung.com/us/support

Nuance[®], VSuite[™], T9[®] Text Input, and the Nuance logo are trademarks or registered trademarks of Nuance Communications, Inc., or its affiliates in the United States and/or other countries.

The Bluetooth[®] word mark, figure mark (stylized “B Design”), and combination mark (Bluetooth word mark and “B Design”) are registered trademarks and are wholly owned by the Bluetooth SIG.

microSD[™] and the microSD logo are Trademarks of the SD Card Association.

Openwave[®] is a registered Trademark of Openwave, Inc.

All other product or service names are the property of their respective owners.

Table of Contents

Section 1: Getting Started 5

Understanding this User Manual	5
Installing the Battery	6
Charging the Battery	8
Activating Your Phone	9
Memory Card (Optional)	11

Section 2: Understanding Your Phone 13

Features of Your Phone	13
Closed View of Your Phone	14
Side Views of Your Phone	15
Open View (Front) of Your Phone	16
Display Screen Layout	18

Section 3: Menu Navigation 21

Menu Navigation	21
Navigation Key Shortcuts	21
Shortcut Icon Bar	22

Section 4: Entering Text23

Text Entry Modes	23
Using T9® Mode	24
Using Abc/ABC Mode	25
Using 123 Mode	25
Entering Symbols	25

Section 5: Call Functions26

Making a Call	26
Answering a Call	31
Call Logs	33

Section 6: Understanding Your Contacts .37

Contacts	37
Adding a New Contacts Entry	38
Finding a Contacts Entry	40
Editing a Contacts Entry	44
Speed Dial	47
Contacts Groups	49
Deleting a Contacts Entry	52
Memory Info	52

Section 7: Messages	53
Accessing the Messages Menu	53
Create and Send Text Messages	53
Send Picture Messages in Camera Mode	54
Send Picture Messages in Standby Mode	55
Message Content and Delivery Options	57
Receiving Messages	58
Message Boxes	60
Erase Messages	68
Message Settings	69
Section 8: Camera	72
Taking Pictures	72
Taking Snap Shots (Single Pictures)	72
Camera Options	75
Camera Adjustments	76
The Photo Gallery	77
Section 9: @Metro	78
Launching @metro	78
Applications Shopping and Downloading	
@metro App Store	79
Changing Your @metro Settings	79
Using On-line Help	80

Section 10: Multimedia	82
Accessing Multimedia	82
Camera	82
Music Player	82
Using My Images	85
Using My Ringtones Gallery	86
Section 11: Tools	88
Accessing Your Phone's Tools	88
Bluetooth	88
Calendar	91
Memo Pad	92
Alarm Clock	93
World Time	94
Calculator	96
Stop Watch	96
Converter	97
Tip Calculator	99
USB Mass Storage	99
Section 12: Voice SVC	100
Voice SVC Options	100
Voice Commands	100
Voice Settings	101

Section 13: Changing Your Settings 105

Location	105
Display Settings	105
Sounds Settings	107
Call Settings	107
Phone Settings	109
Phone Info	115
Memory Info	115

Section 14: Health and Safety

Information116

Exposure to Radio Frequency (RF) Signals ..	116
Specific Absorption Rate (SAR)	
Certification Information	121
FCC Part 15 Information to User	122
Commercial Mobile Alerting System (CMAS) ..	123
Smart Practices While Driving	123
Battery Use and Safety	124
Samsung Mobile Products and Recycling ...	126
UL Certified Travel Charger	127
Display / Touch-Screen	128
GPS	128
Emergency Calls	129
Care and Maintenance	130
Responsible Listening	130
Operating Environment	133
FCC Hearing Aid Compatibility (HAC)	
Regulations for Wireless Devices	135
Restricting Children's Access to	
Your Mobile Device	136
FCC Notice and Cautions	136

Other Important Safety Information137

Section 15: Warranty Information139

Standard Limited Warranty139

End User License Agreement for Software . . .144

Index 150

Section 1: Getting Started

This section explains how to start using your SCH-R270 phone.

Understanding this User Manual

The chapters of this guide generally follow the same order as the menus and sub-menus in your phone.

A robust index for quick reference to most features begins on page 150.

Important safety information that you should know before using your phone is near the back of the guide, beginning on page 116.

Notes and Tips

Throughout this manual, the following labels point out important information, quick methods for activating features, and more:

- **Notes:** Explain alternative options within the current feature, menu, or sub-menu.
- **Tips:** Provide quick or innovative methods for performing functions related to the subject at hand.
- **Important:** Points out important information about the current feature that could affect performance, or even damage your phone.

Text Conventions

To condense information in this manual, the following terms and icon appear in procedural steps:

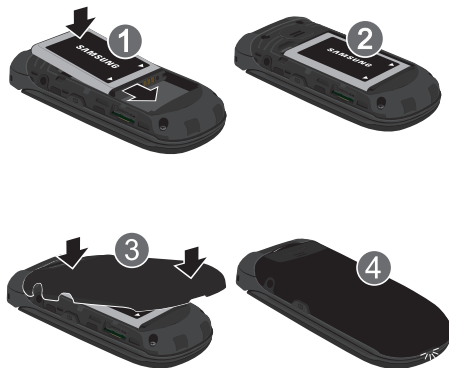
- highlight** Use the Navigation key () to move a highlighting effect onto a menu item or screen item of interest.
- select** After “highlighting” a menu item or screen item, press the **OK** key () to launch, access, or save a highlighted menu item or screen field of interest.
- Used in place of “select” in long “drill down” procedure steps.

Example: “...Settings → Call Settings → Call Answer...”

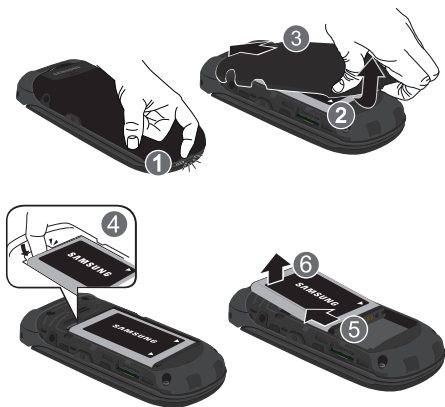
Installing the Battery

Note: Your phone comes packaged with a partially charged rechargeable standard Li-Ion battery and travel adapter.

Important! You must fully charge the battery the first time you use your phone, otherwise you could damage the battery.



Removing the Battery



Caution! The display on your handset is made of glass or acrylic and could break if your handset is dropped or if it receives significant impact or excessive pressure, which could void the warranty (For more information, refer to “*Standard Limited Warranty*” on page 139.) Do not use if screen is broken or cracked as this could cause injury to you.

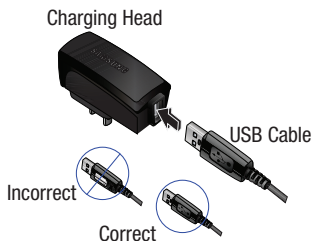
Important! You must unplug the adapter before removing the battery from the phone during charging to avoid damage.

Charging the Battery

Your phone is powered by a rechargeable standard Li-Ion battery. Only use Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. **Use of other accessories may invalidate your warranty and may cause damage.**

Use the Travel Adapter

The travel adapter rapidly charges your phone from any 120/220 VAC outlet.



1. Plug the Charging Head of the Travel Adapter into a standard 120 VAC or 220 VAC wall outlet.

Important! For connection to an electrical supply not located in North America, you must use an adaptor of the proper configuration for the power outlet. Use of the wrong adapter could damage your phone and void your warranty.

2. Attach the USB Cable to the Charging Head.
3. Insert the smaller end of the USB Cable into the charger/accessory connector on the lower right side of your phone.



Correct



Incorrect



Important! You must unplug the adapter before removing the battery from the phone during charging to avoid damage.

Low battery indicator

The battery indicator () in the upper-right corner of the display indicates power level. Monitor the battery strength and ensure your battery is adequately charged.

- Five bars () indicate a full charge.
- An empty battery icon () indicates a near empty battery.
- A blinking empty battery icon () and a tone sounding indicate you have two to three minutes before the battery is too low to operate the phone.

If you continue to use your phone without charging its battery, the phone will shut down.

Activating Your Phone

Contact your Wireless Carrier and follow their instructions for obtaining service, if necessary. We suggest that you read this guide to fully understand the services your phone supports.

Turning Your Phone On

1. With the phone open, press . The display lights, showing the power up animation.

Note: As with any other radio-transmitting device, do not touch the antenna while using your phone as this can affect call quality and can cause the phone to operate at a higher power level than is necessary.

2. The phone begins searching for a network signal.

Once the phone finds a signal, the time, date, and day appear near the top of the display. You're now ready to place and receive calls.



Note: If you are outside of your carrier's coverage or roaming area, the No Service icon (📶) appears at the top of the phone's display. If you cannot place or receive calls, try later when service is available, or at another location.

Turn Your Phone Off

- With the phone open, press and hold  for two or more seconds. Your phone powers off.

Note: If your phone is on and you press  for less than one second, the phone will not power off. This prevents your phone from being turned off accidentally.

Setting Up Your Voicemail

Voicemail allows callers to leave voice messages, which can be retrieved any time.

Note: Once your Voicemail account has been set up, you can use the **Voicemail** folder (under the **Message** menu) to view details of voice messages in your Voicemail box.

1. In Standby mode, press and hold  or dial your own mobile number to dial Voicemail.
2. Follow the prompts in the new user tutorial to setup your mail box.

Listen to Voicemail

1. In Standby mode, press and hold **1@1** or dial your own mobile number to access Voicemail. After connecting, you will hear your voice greeting.
2. You are prompted to enter your password.

Memory Card (Optional)

Your phone has a Memory Card slot on its right side, under the battery cover. You can install a microSD™ or microSDHC™ Memory Card to provide additional memory for storing files (such as, sound files and photos) in your phone.

Install a Memory Card

1. Remove the battery cover from the back of your phone.



2. Carefully insert the Memory Card — label side facing up — into the Memory Card slot, as shown, until you feel it click into place.

3. Replace the battery cover.

Note: When you install a new microSD or microSDHC card in your R270 phone, it creates the file folders needed for storing multimedia files.

If you install a microSD or microSDHC card that has been used in another device, you should format the card. (For more information, refer to “*Memory*” on page 92.)

Do not add other file folders or file types to the Memory Card with another device. This slows the phone’s access to files on the Memory Card. Instead, use the R270 to download files to the Memory card or use the USB data cable with the R270 to add files to the Memory Card.

Remove a Memory Card

1. Remove your phone’s battery cover.
2. Carefully press the Memory Card inward until you feel it release.
3. Slowly release your pressure on the card. It will slide outward a short distance.
4. Remove the Memory Card from the Memory Card slot.
5. If desired, install another Memory Card. (For more information, refer to “*Install a Memory Card*” on page 11.)
6. Replace the battery cover.

Section 2: Understanding Your Phone

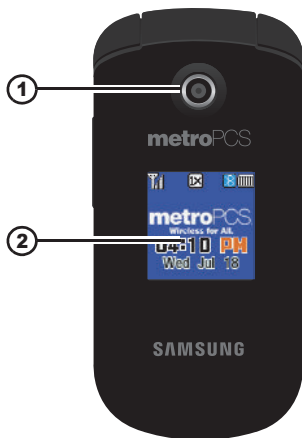
This section lists some important features of your phone and describes the keys and the screen format.

Features of Your Phone

- Domestic and international voice and text messaging service (available on participating networks).
- Bluetooth® Wireless Technology (see Note)
- Global Positioning (GPS) Technology
- Personal Information Management (PIM) Tools
- Picture (MMS) Messaging
- Text (SMS) Messaging
- Built-in VGA Digital Camera
- Voice Dial
- Speakerphone

Note: The SCH-R270 supports the wireless Headset, Handsfree, Stereo, Phonebook Access, Object Push, and File Transfer profiles for Bluetooth® wireless technology. The SCH-R270 does not support the Bluetooth serial port profile.

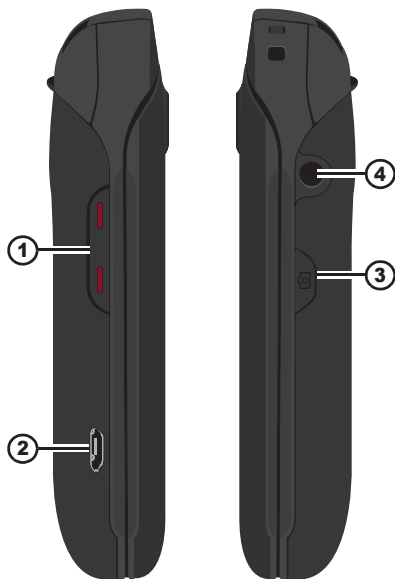
Closed View of Your Phone



Features

1. **Camera Lens:** The lens of your built-in camera.
2. **Front Display:** Indicates the status of your phone, including status icons, message indicators, signal strength, and so on.

Side Views of Your Phone



Features

1. **Volume Key:** Lets you adjust the ringer volume in Standby mode, adjust the voice volume during a call, or mute the ringer during an incoming call. Press and hold to light the front display.
2. **USB Power / Accessory Connector:** Used to connect charging accessories or optional USB accessory cables to your phone.
3. **Camera Key:** Launches the Camera feature of your phone and takes photos.
4. **Headset Jack (3.5 mm):** Used to connect an optional, wired headset (for hands free operation) or optional TTY/TDD device.

Open View (Front) of Your Phone



Features

1. **Main Display:** Indicates the status of your phone, including numbers dialed, feature and function screens, status icons, message indicators and contents, signal strength, and so on.
2. **Navigation Key:** In Menu mode, lets you scroll through the phone menu options. In Standby mode, lets you access preset functions and one user-defined function.
3. **Left Soft Key:** Used to navigate through menus and applications and to select the choice indicated at the bottom left corner of the Main LCD.
4. **SEND Key:** Lets you place or receive a call. In Standby mode, press the key once to access the recent calls log.
5. **Voicemail Key:** Lets you speed dial your Voicemail account to review your voice messages.
6. **Special Function Keys:** Enter special characters. Perform various functions.

- 7. **Voice Recognition Key:** Used in Standby mode to launch VoiceSignal voice recognition system. (For more information, refer to “*Voice SVC*” on page 100). Also used with T9 text entry to display additional word suggestions. (For more information, refer to “*Using T9@ Mode*” on page 24.)
- 8. **Microphone:** Lets the other caller hear you clearly when you are speaking to them.
- 9. **Alpha-numeric Keys:** Use these keys to enter numbers, letters, and characters.
- 10. **CLR Key:** Deletes characters from the display when you are in text entry mode. Press this key to return to the previous menu or screen when navigating features on your phone.
- 11. **END Key:** Ends a call. If you press and hold the END key, the power goes On or Off. When you receive an incoming call, press to send the call to voicemail.
- 12. **Right Soft Key:** Used to navigate through menus and applications and to select the choice indicated at the bottom right corner of the Main Display.
- 13. **OK Key:** Pressing when navigating through a menu accepts the highlighted choice in a menu.
- 14. **Earpiece:** Lets you hear ringing and alert tones, alarm tones, and the other parties to calls.

Display Screen Layout



1. Icons indicating network and phone statuses. (For more information, refer to *"Display Screen Icons"* on page 19.)
2. Current day of the week, date, and time.
3. Icon indicating that Auto Answer function is active. (For more information, refer to *"Auto Answer"* on page 107.)

4. The center of the screen shows information such as call progress indicators, messages, menus, Banner text, and photos.
5. The bottom line of the display shows current soft key functions. In the sample screen, pressing the Left soft key will show the **Messages** menu, pressing the Center soft key will launch the Main **Menu**, and pressing the Right soft key will show the **Contacts Find** screen.

Front Display



1. The top line of the front display contains icons that indicate network status, battery power, signal strength, and more. (For more information, refer to “*Display Screen Icons*”.)
2. The remainder of the display shows the clock and calendar and shows information about such occurrences as incoming calls, new messages, and charging status.

Display Screen Icons

Your SCH-R270 phone can show you definitions of the icons that appear on the top line of the display.

To access the Icon Glossary:

- In Standby mode, press **Menu**, then select **Settings** → **Phone Info** → **Icon Glossary**. A list appears showing all of the icons that can appear on the top line of the display.

Dialogue Boxes

Dialogue boxes prompt for action, inform you of status, or warn of situations such as low battery. Dialogue boxes and their definitions are outlined below.

- **Choice**

- Example: "Save Message?"

- **Reconfirm**

- Example: "Erase All Messages?"

- **Performing**

- Example: "Sending..." "Connecting..."

- **Completed**

- Example: "Message Saved" Information
- Example: "New Message"

- **Error**

- Example: "System Error!"

- **Warning**

- Example: "Low Battery," "Memory Full!"

Backlights

Backlights illuminate the displays and the keypad. When you press any key or open the phone, the backlights come on. They go off when no keys are pressed within a period of time set in the **Backlight** menu.

Note: During a phone call, the display backlight turns off after 10 seconds to conserve battery power, regardless of the Backlight setting.

For more information, refer to "*Backlight*" on page 106.

Section 3: Menu Navigation

This section explains the menu navigation for your phone.

Menu Navigation

Access the menus and sub-menus in your phone using the Navigation key () and soft keys ( **OK** ) , or use a shortcut.

1. In Standby mode, press **Menu**. The first of several menus appears in the display.
2. Use the Navigation key to browse through the menus.
3. Press  to enter the menu or sub-menu that appears in the display.

Menu Shortcuts

Use shortcuts to quickly access menus and sub-menus. Select **Menu**, then press the number to the left of the menu label to jump to the desired menu, sub-menu, or feature.

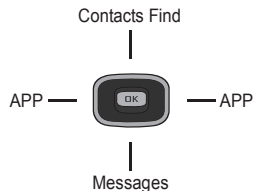
Example: To jump to the **Outbox** sub-menu from Standby mode, press **Menu**,  (for **Messages**), and  (for **Outbox**).

Return to the Previous Menu

- Press **Back** to return to a previous menu.
- When **Back** does not appear in the display, press  to return to the previous menu.

Navigation Key Shortcuts

In Standby mode, press the Navigation key Up or Down, Left or Right to launch the corresponding applications in the pattern shown here.

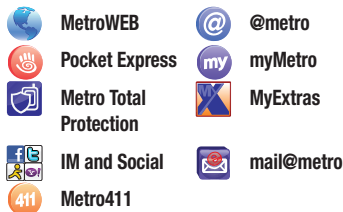


Shortcut Icon Bar



1. When activated, the Shortcut Icon bar lets you easily launch any of a number of pre-loaded applications on your phone. (For more information on enabling Shortcut Icon, see “*Shortcut Icon*” on page 106.)

In Standby mode, when you press **OK APP** or press the Navigation key Left or Right, the Shortcut Icon bar appears in the display containing some or all of the following icons:



Select the appropriate icon to launch the desired application.

Section 4: Entering Text

This section outlines how to enter text using the phone keypad. This section also describes how to use the T9 predictive text entry feature to reduce the number of key strokes needed to enter text.

Text Entry Modes

Changing the Text Entry Mode

In any text entry screen or field, the current text entry mode (**T9word**, **T9Word**, **T9WORD**, **abc**, **Abc**, **ABC**, **123**, **Symbols**, or **Emoticons**) is shown in the lower left of the display. To change the text entry mode:

- Press the Left soft key to scroll through available text entry modes.
 - **T9 Word**: Press each phone key only once to enter the letter of the word that you're spelling. The phone recognizes common words from the keys pressed.
 - **Abc**: Enter letters, numbers, and symbols by repeatedly pressing each phone key until the desired character (as shown on the key) appears in the display.
 - **123**: Enter numbers by pressing the corresponding keypad keys.

- **Symbols**: Using the phone keypad, enter a symbol into your message by pressing the number next to the symbol in the Symbols pop-up window.
- **Emoticons**: Using the phone keypad, enter an Emoticon (Smiley) into your message by pressing the number next to the Emoticon in the Symbols pop-up window.

Using T9® Mode

T9 Word recognizes commonly used words matching the numeric sequence of key presses and inserts the word into your message. Text entry using T9 Word is much faster than the traditional method (**Abc**) and *requires only one key press per letter* of the word.

For example, to enter the word “Samsung”, press each of the following keys *only once*:



If more than one word shares the same key entry sequence, T9 Word inserts the most commonly used word, and displays any additional words in a pop-up menu where you can select the desired word.

- To switch to **T9Word** while composing a text message, press the Left soft key, then select **T9Word**.

Note: To enter a space, press . To enter a period, press . These key functions apply to both T9 Word and Abc modes. (For other symbols, see “Entering Symbols” on page 25.)

Adding Words to the T9 Word Dictionary

If pressing the keys corresponding to a word you want to enter does not display that word, do the following:

1. Press the Left soft key and select **Add T9 Word**.
2. Enter the word you want to add to the T9 Word dictionary, then press . The word is added to the T9 dictionary.

Note: In **Add T9 Word** mode, you enter a word using the same multiple keypress method as when in Abc text entry mode.

Using Abc/ABC Mode

Abc mode enters characters with the first character of each word capitalized. **ABC** mode enters characters as all capitals.

1. To switch to **abc**, **Abc**, or **ABC** mode while composing a text message, press the Left soft key, then select **Abc** or **ABC**.
2. Enter characters while in **abc**, **Abc**, or **ABC** mode by using the keypad:
 - Press the key repeatedly until the desired character appears in the display (for example, press **4GHI** once for “G” and twice for “H”).
 - Pause briefly and the displayed character is accepted and inserted into your message.
 - Press **# 0** to enter a space and press **1 0 2** to enter a period.

Using 123 Mode

Enter numbers into a text message while in **123** mode.

1. To switch to **123** mode while composing a text message, press the Left soft key, then select **123**.
2. Enter numbers while in 123 mode by pressing the key labeled with the desired number.

Entering Symbols

Enter symbols such as “@” or “%” into a text message.

1. To switch to **Symbols** mode while composing a text message, press the Left soft key, then select **Symbols**.
2. The first of three symbol screens is displayed. Use the Left and Right soft keys and Navigation key to browse the list.
3. Select a symbol to enter it in your message text.
4. To insert additional symbols into your message, repeat Steps 1 through 3.

Section 5: Call Functions

This section provides procedures for making and answering calls, and for reviewing your call time.

Making a Call

1. In Standby mode, enter an area code and a phone number.
2. To make the call, press . (Adjust the volume with the Volume key.)
3. To end the call, press .

Tip: To re-dial your last call, press  twice.

To re-dial other recent calls, press , highlight a call, and press  again.

Emergency Calls

When you call an Emergency Number, such as 911, your SCH-R270 phone locks itself in Emergency mode, only allowing you to make calls to the emergency call center you originally contacted. This lets emergency operators more easily dispatch aid, such as police, fire fighters, and emergency medical personnel.

1. In Standby mode, enter the Emergency Number you wish to call.

Note: You can define up to 3 emergency numbers in your phone. (For more information, see “*Emergency #*” on page 111.)

2. Press .

Tip: If you need to make an emergency (911) call with Airplane mode enabled, just dial the emergency number and press . (For more information, see “*Airplane Mode*” on page 109.)

3. To exit Emergency mode, press . You are prompted to confirm that you want to exit Emergency mode.
4. To confirm that you want to exit Emergency mode, press **Yes**.

Three-Way Calling

During a call, Three-Way Calling lets you call a third party and connect them to your existing call.

1. During a call, ask the other party to remain on the line.
2. Enter a third party's phone number and press .
3. When the third party answers, press  to connect all parties to the same call.

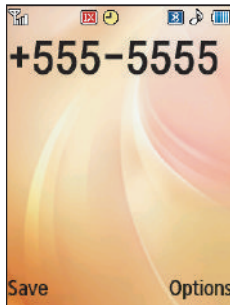
Dialing International Numbers

Call Another Country — Manual Method

1. In Standby mode, enter **011** (the three-digit exit code for the United States).
2. Enter the country code for the country that you are calling.
3. Enter the number that you wish to call, then press .

Note: Puerto Rico and Canada are on the North American dialing plan. Making calls to Puerto Rico and Canada is similar to making calls within the United States, no unique country codes are necessary.

Call Another Country — Shortcut Method



1. In Standby mode, press and hold  until a plus sign (+) appears in the display.

Note: When you press , your phone automatically replaces this + with 011, the three-digit exit code for the United States.

2. Enter the country code for the country that you are calling.
3. Enter the number that you wish to call, then press .

Manual Pause Calling

To manually call a number with pause(s) without storing it in your Contacts list:

1. In Standby mode, enter the number you wish to call.
2. Press **Options**. The following pause options appear in the display:
 - **2-Sec Pause**: A 2-second pause after which dialing resumes.
 - **Wait**: A hard pause (waits for input from you).
3. Select the desired pause to enter it into the number sequence.
4. Press  to call the number.

Tip: Press **Save** to store pauses along with the number if you plan to call the number frequently.

Speed Dialing

Speed Dialing lets you place a call to any Contact stored in your Contacts list by dialing the Contact's Location number.

1-Touch Dialing (1 – 9)

- In Standby mode, press and hold the number key (1 – 9) corresponding to the desired Contact's speed dial number.

Example: To speed dial the Contact assigned speed dial 5, press and hold .

2-Touch Dialing (10 – 99)

1. In Standby mode, enter the first digit of the desired Contact's speed dial number.
2. Press and hold the number key representing the second digit.

Example: To speed dial the Contact assigned speed dial 35, press  then press and hold .

3-Touch Dialing (100 – 999)

1. In Standby mode, enter the first two digits of the desired Contact's speed dial number.
2. Press and hold the number key representing the third digit.

Example: To speed dial the Contacts entry assigned to speed dial 235, press , press , then press and hold .

Voice Dialing

Your SCH-R270's voice recognition lets you speak phone numbers and Contact names *in a natural manner* to call them.

Note: End Calls Before relaunching the VoiceSignal voice recognition software — When you use voice recognition to make a call, you must end that call before you can use other Voice Commands. For more information, refer to “Voice SVC” on page 100.

Voice Dialing Tips

- Wait for the beep before speaking.
- Speak clearly at a normal volume, as if you were talking to someone on the phone.

Dialing a Contact Name

1. In Standby mode, press and hold  until “**Say a command**” appears in the display and plays through the earpiece.
2. Say “**Call**” followed by the Contact’s first and last names. Voice Dial repeats the name and dials the number.

Note: If Voice Dial is unsure which name you said, it displays a choice list of up to three names and prompts you with “**Did you say?**” followed by the first name on the list. Say “**Yes**” to confirm the name, “**No**” to hear the next name, or use the keypad to select the correct name from the list.

3. If the recognized name has multiple numbers stored for it, Voice Dial displays the possible choices and prompts you with “**Which number?**” Say “**Home**”, “**Work**”, or “**Mobile**”, and Voice Dial dials the specified number.
4. Press  to exit VoiceSignal without dialing.

Dialing a Number

1. In Standby mode, press and hold  until “**Say a command**” appears in the display and plays through the earpiece.
2. Say “**Call**” followed by the telephone number of the person you want to call. Voice Dial repeats the number and dials it.

Example: Say “7 8 1 5 5 5 7 2 0 0.”

Note: If Voice Dial is unsure of the number, it displays a choice list of up to three numbers and prompts you with “**Did you say?**” followed by the first number on the list. Say “**Yes**” to confirm the number, “**No**” to hear the next number, or use the keypad to select the correct number from the list.

3. Press  to exit VoiceSignal without dialing.

Answering a Call

When you receive a call, the phone rings and displays one of the following:

- If the caller can be identified, the caller's number (or name if it's in your Contacts) appears in the display.
- If the caller cannot be identified, **Call from unavailable #**, **Call from restricted #**, or no number appears in the display.

Tip: When you assign pictures to Contacts entries, the entry's assigned picture appears in the display when you receive a call from that entry. (See *"Assigning a Picture to a Contacts Entry"* on page 46).

The phone continues to notify you of the call until one of the following events occurs:

- You answer the call.
- The calling party ends the call.
- The call is sent to voicemail.

Call Answer

You can set your phone to answer calls only when you press  or when you press any key except , , or . (For more information, refer to *"Call Answer"* on page 107.)

Call Notification Features

Your phone notifies you of a call in a variety of ways.

- Eight ring volume settings: **Silence All**, **Vibrate**, **Low**, **Low/Medium**, **Medium**, **Medium/High**, or **High**.
- Different ring types or melodies to distinguish callers.
- Name display with caller ID. (If the caller's name is programmed into your Contacts list).

Note: Information about the last 90 each of incoming, missed, and outgoing calls are automatically stored to a call log.

Set Call Ringer Volume

1. In Standby mode, press the Volume key on the left side of the phone up or down to set the call ringer volume as desired.
2. Once you're satisfied with the setting, press . The phone returns to Standby mode.

Note: The Vibrate icon () appears in the display when the call ringer is set to **Vibrate**. The Vibrate/Ring icon () appears in the display when you press **Vibrate on**.

Call Waiting

If you're on a call, your phone beeps when you receive a second call. Call Waiting lets you answer the second call and alternate between both calls.

Note: Contact your Wireless Carrier for availability.

1. Press  to place the first call on hold and answer the second call.
2. Ask the caller to remain on the line, then press  to place the second call on hold and return to the first call.
3. Press  to alternate between calls.

Silence an Incoming Ring

To temporarily silence the incoming call ringer:

- While your phone is ringing, press the Volume key () on the left side of the phone, up or down.

Ignore an Incoming Call

Ignored calls are immediately forwarded to Voicemail. To ignore an incoming call:

- While your phone is ringing, press **Ignore**. The incoming call is forwarded to Voicemail.

In-Use Menu

You can access a number of menus and features even while in a call.

- While in a call, you can:
 - Press **Mute / Unmute**: Disables / enables your phone's microphone.
 - Press **SPK**: Enables / disables Speakerphone mode during the call. (For more information, refer to "*Responsible Listening*" on page 130.)
 - Press **Options**. The following options pop-up in the display:
 - **Speaker On / Off**: Enables / disables Speakerphone mode during the call. (For more information, refer to "*Responsible Listening*" on page 130.)
 - **Messages**: Display the Messages menu.
 - **Contacts**: Display the Contacts menu.
 - **Recent Calls**: View your recent calls log.
 - **Send DTMF**: Send your phone number as DTMF tones to the other person on the call.

- **Voice Privacy**: When set to **Enhanced**, the phone sounds an audible beep when you loose privacy (encryption) on a CDMA connection. [This option requires that this option is set to **Enhanced**. (The default setting.) For more information, refer to "*Voice Privacy*" on page 108.]
- **Location**: Turn your GPS location on or set GPS location for emergency calls only.
- With the above menu displayed, do one of the following:
 - Select a menu or feature to access the sub-menu or activate the selected feature.
 - Press **Cancel** to exit the menu.

Call Logs

Your phone has Call Logs that retain information about Outgoing, Incoming, and Missed Calls for future reference, to return calls, and to add new Contacts. You can also view times for your last call and the total of all calls.

- To access the Calls Logs, in Standby mode, press **Menu**, then select **Calls**.

Tip: To quickly view a list of your most recent calls (outgoing, incoming, and missed), briefly press  while in Standby mode. The **All Calls** screen, listing up to 270 of your most recent calls, appears in the display.

Outgoing / Incoming / Missed Calls

1. From the **Calls** menu, select **Outgoing Calls / Incoming Calls / Missed Calls**. A list of your outgoing, incoming, or missed calls appears in the display.
2. Highlight a call. You have the following options:
 - To send a message to the caller, press **Msgs**. The **Send Message** menu appears in the display. (For more information, refer to *“Create and Send Text Messages”* on page 53 or *“Send Picture Messages in Standby Mode”* on page 55.)
 - To view information about the call, press  **OPEN**.
 - To access further options, press **Options**. The following options appear in the display:
 - **Save:** Save the number to your Contacts.
 - **Details:** Contacts calls only — Lets you view the Contacts entry for the originator or recipient of this call.

- **Erase:** Erase the selected call from your Outgoing calls list.
 - **Lock / Unlock:** Blocks/permits erasure of the selected call from your Outgoing, Incoming, or Missed call list.
 - **Erase all:** Erase all unlocked calls from your Outgoing call list.
 - **View Timer:** **Call Timer** screen appears in the display listing the number and types of calls and their total durations. (See *“Call Timer”* on page 35 for more information.)
3. Select an option to perform its function.

Erase Logs

You can erase Outgoing, Incoming, Missed, or All Calls.

Erase All Calls

1. From the **Calls** menu, select **All Calls**. The **All Calls** list appears in the display with the first call in the list highlighted.
2. Press **Options**, then select **Erase all**. **“Erase all entries?”** prompts you to confirm erasure of all Calls log entries.
3. To Erase all calls, press **Yes**. To keep the calls, press **No**.

Call Timer

Call Timer shows you the duration of your last call, total calls, and calls made during the life of your phone. Call timer is not for billing purposes.

1. From the **Calls** menu, select **Call Timer**. The **Call Timer** screen lists the numbers of calls and durations for the Last Call, Outgoing Calls, Incoming Calls, Roaming Calls, and All Calls since the last Call Timer reset. The number and duration of all calls since your phone was activated are also listed as Lifetime Calls.
2. To reset one timer, highlight it and press **Reset**.
To reset all of the timers except **Lifetime Calls**, press **Reset All**.

Note: LifeTime call timers can never be reset.

3. Press **OK** to exit the **Call Timer** screen.

Data Counter

Use Data Counter to view the amount of data sent or received (or a total of both) by the data services on your phone. The Data Counter can help you monitor data usage, especially if your service agreement has usage limits.

1. From the **Calls** menu, select **Data Counter**. The screen lists the amounts of Transmit, Received, and Total data since the last Data Counter reset. The amount of data transferred since your phone was activated is also listed as the Lifetime Data Counter.
2. To reset a timer other than Lifetime Data Counter, highlight it and press **Reset**.
3. To reset all timers except **Lifetime Data Counter**, press **Reset All**.

Note: The **Lifetime Data Counter** can never be reset.

4. Press **OK** to exit the **Data Counter** screen.

Store Numbers from Call Logs

You can store numbers from your **Outgoing**, **Incoming**, **Missed**, and **All** calls logs to your Contacts list.

Tip: In Standby mode, briefly press  to display the **Recent Calls** list. You can then select any call in the list to save to **Contacts**.

1. From the **Calls** menu, select **Outgoing Calls** / **Incoming Calls** / **Missed Calls** / **All Calls**.
2. Select the number you wish to store in Contacts.
3. Press **Options**, then highlight **Save** and select **Create New** (to add the number as a Contacts entry) or **Update Existing** (to find a Contact with which to associate the new number).
4. Follow the prompts to store the selected number to your Contacts list.

Section 6: Understanding Your Contacts

This section details how you can manage your daily contacts by storing their names and numbers in your Contacts list.

Note: Although the procedures in this section are written for the phone keypad, you can also perform these procedures using the QWERTY keypad.

Contacts

Up to 1000 entries can be stored in Contacts. Each entry can have up to five associated phone numbers and one Email address. Each phone number can be up to 32 digits in length, including **2-Sec** or **Wait** pauses (for more information, see *“Manual Pause Calling”* on page 28), and associated names can be up to 32 characters in length. You can assign the Speed Dial numbers of your choice for each entry. You can also mark your Contacts list as Restricted to prevent unauthorized viewing. (For more information, refer to *“Restriction”* on page 112).

Tip: Speed Dial **One-Touch Dialing**, **Two-Touch Dialing**, and **Three-Touch Dialing** allow you to call numbers stored in Contacts faster.

Accessing Contacts

- In Standby mode, press **Menu**, then select **Contacts**. The following subsections describe available options:

Adding a New Contacts Entry

You can use either of three methods to add an entirely new entry to Contacts.

Dial Method

1. In Standby mode, enter the number you wish to add to your Contacts.
2. Press **Save**.

The following options appear in the display:

- **Create New:** Lets you create a new Contacts entry.
- **Update Existing:** Lets you add the number you entered to an existing Contacts entry.

3. Select **Create New**. The **Create New** screen appears in the display showing the following icons:



4. Select the number type that matches your new entry.
5. Use the keypad to enter a name to associate with the Contacts entry.
6. Press **Save** to save the new entry.

Add to an Existing Entry

1. From the **Save** menu, select **Update Existing**. The **Update Existing** screen appears in the display showing your Contacts list with the **Go To** field and the first Contacts entry highlighted.
2. Find and select the Contacts entry to which you want to add the new number. (For more information, refer to *"Finding a Contacts Entry"* on page 40.)
3. The following number type options appear in the display:



Number types that are already assigned a number show the number instead of the number type label.

4. Select the desired unassigned number type. The **Edit Contacts** screen appears with the selected Contact's information in the display and with the new number posted in the appropriate number type field.
5. Press **Save** to save your changes to the existing entry.

Saving a Number After a Call

Once you finish a call, you can store the caller's number to your Contacts list.

Note: If the call was incoming and Caller ID information was unavailable, then the **Save** option is also unavailable.

1. Press  to end your call. The call time, length of call, phone number, and name of the party (if available) appear in the display.
2. Press **Save**. The Save screen appears in the display showing the following options:
 - **Create New:** Lets you create a new Contacts entry.
 - **Update Existing:** Lets you add the number you entered to an existing Contacts entry.
3. Select the desired option, then follow the instructions in the preceding sub-sections depending on whether the number is a new entry or you are adding it to an existing entry.

Menu Method

1. From the **Contacts** menu, select **Add New Entry**.
The **Add New Entry** screen appears in the display with the **Name** field highlighted.
2. Enter the name of the new entry using the keypad.
(See “*Entering Text*” on page 23 for more information.)
3. Highlight one of the following fields:
 - **Mobile** • **Home** • **Work**
 - **Mobile 2** • **Email** • **Group**
 - **Ringtone** • **Fax**
4. Enter a phone number or Email address in the highlighted field.
5. Repeat steps 3 and 4 as needed.
6. Press **Save** to save the new entry.

Adding a Picture ID

To add a picture or image to a Contact that will identify that Contact as originator of a new call, do the following:

1. In the **New Contact** or **Edit Contact** screen, highlight the picture field at the top right corner of the screen.
2. Press **Set**. The **My Images** list appears in the display. (For more information, refer to *"Using My Images"* on page 85.)
3. Select the desired picture or image. You are returned to the **New Contact** or **Edit Contact** screen with the selected picture or image at the top of the screen.

Calls Log Method

1. Display the desired Calls log. (For more information, refer to *"Call Logs"* on page 33.)
2. Highlight the Call whose number you want to add to your Contacts.
3. Press **Options**, and select **Save**.
4. Repeat Steps 2 through 6 of *"Dial Method"* on page 38.

Finding a Contacts Entry

Menu Method

1. From the **Contacts** menu, select **Find**. The Contacts **Find** screen appears in the display.

Tip: You can also access the Contacts **Find** screen directly from Standby mode, by pressing **Contacts**.

2. Enter the first few letters of the name you want. A list of Contacts with matching names appears in the display.
3. Highlight the desired Contact.
4. To dial the Contact:
 - Press  to dial the Contact's default number.
 - To dial another of the Contact's numbers, press **View**, highlight the desired number, and press .
5. To edit the Contact information, press **Edit**.

Voice Method

Use the Voice SVC **Contacts** command to view contact information for any named contact stored in your Contacts list by saying the name.

Note: The **Lookup** command shows the requested contact information in the display but does not dial any phone numbers for the contact.

1. In Standby mode, press and hold  to launch **Voice Commands**.

“**Please say a Command**” plays through the speaker, and the **VOICE COMMANDS** menu appears in the display.

2. Speak clearly and say “**Contacts**” followed by the full name of the Contact you want to view, exactly as it is entered in your Contacts list.
 - If VoiceSignal recognizes the name you said, the Contact information for that name appears in the display.

- If VoiceSignal does not recognize the name you said, a choice list of up to three names appears in the display, and VoiceSignal prompts you with “**Did you say?**” followed by playing the command name and the first name on the list.

3. Say “**Yes**” to confirm the name or “**No**” to hear the next name, or use the keypad to select the correct name from the list. (For more information, refer to “*Confirm Choices*” on page 101.)
4. The Contact information for the name you selected appears in the display.
 - To dial the default number associated with the name, press .
 - To dial another number for this Contact, highlight the number and press .
 - To erase this entry from your Contacts list, press **Erase**.
 - To add or change information for this entry, press **Edit**.

- For more options, press **Options** and the following options pop-up in the display:
 - **Send Txt Msg**
 - **Send Pic Msg**
 - **Call**
 - **Send Name Card Via Bluetooth**

Quick Search Method

1. In Standby mode, and with **Quick Search** phone setting set to **On**, press the numeric keys that correspond to the first few letters of a Contact's name.

Note: For more information, refer to “Quick Search” on page 114.

For example, to search for “Sally” you would enter



2. Press the Navigation key Up. The Contacts **Find** screen appears in the display with the first matching Contact name in a list and highlighted.
3. Highlight the desired Contact and press  to call them.

Shortcut Key Method

If you've stored a name entry in Contacts, **Find** allows you to find it quickly.

1. In Standby mode, press the Navigation key Up (Contacts shortcut).

The **Find** screen appears in the display with the **Go To** field and the first Contacts entry highlighted.

Tip: You can also access the **Find** screen from the **Contacts** menu by selecting **Find**.

2. Enter a name *as entered in Contacts*. For example, if you saved the name as "Amy Smith", begin the search by pressing  or (for "A").

As you enter letters, the names of the closest matches appear in the display.

3. When the desired entry is listed in the display, highlight the entry.

- To dial the default number associated with the name, press



Tip: You can select another number assigned to the name by using the Left/Right navigation keys.

- To add or change information for this entry, press **Edit**.
- To show information about the entry, press  **VIEW**.
- For more options, press **Options**.

Editing a Contacts Entry

Editing Contacts Name and Numbers

1. Find the Contacts entry you wish to change. (For more information, refer to *"Finding a Contacts Entry"* on page 40.)
2. Highlight the entry and press **Edit**. The **Edit Contact** screen appears in the display.
3. Highlight the particular information you want to add or change.
4. When you're finished changing the contents of a field, press **Save**. Your changes are saved and a confirmation message appears in the display.

Add Pauses to Contacts Numbers

Calls to automated systems such as banking services often require a password or account number. Instead of manually entering these numbers, you can store them in a Contacts entry with the phone number and with special characters called pauses, up to a maximum of 32 digits.

1. From the **Edit Contact** screen, select and edit the desired number. (See *“Editing a Contacts Entry”* on page 44 for more information.)
2. Press **Options**. The following pause options appear in the display:
 - **Wait**: A hard pause (waits for input from you).

Note: You can enter multiple Waits to extend the length of a pause. For example, two consecutive Waits cause a total pause time of four seconds. Keep in mind that pauses count as digits towards the 32-digit maximum.

- **2-Sec Pause**: A 2-second pause after which dialing resumes.
3. Select the desired pause to add it to the number sequence.
 4. When you're finished entering information, press **Save** to store the number to Contacts.

Pause Dial from Contacts

1. If you stored the number using 2-second pause(s), simply recall the number from Contacts.
2. If you stored the number using Wait(s), recall the number from Contacts and wait for the appropriate prompt from the dialed number.
3. Press  to dial the number.

Edit an Existing Email Address

1. From the **Edit Contact** screen, highlight the **Email** field. (For more information, refer to *“Editing a Contacts Entry”* on page 44.)
2. Use the keypad to edit the Email address. (For more information, refer to *“Entering Text”* on page 23.)
3. Press **Save** to save your changes.

Assigning a Picture to a Contacts Entry

When you assign a picture to a Contacts entry, the picture you assign appears in the display when you receive a call from that Contact.

1. From the **Edit Contact** screen, highlight the Picture ID field (at the top of the **Edit Contact** screen), then press **Set**.

A photo gallery screen appears in the display, showing a series of thumbnail photos. (See *“Using My Images”* on page 85 for more information.)

2. Select the picture that you wish to assign to the Contacts entry.

If there is no usable picture in the photo gallery screen:

- Press **Camera**. The camera viewfinder screen appears in the display.
- Press **Take**. The picture you have taken appears in the display.
- Press **OK**.

The Contacts entry screen appears in the display with a thumbnail view of the selected picture in the Picture ID field.

3. Press **Save** to save your Picture ID assignment.

Assigning a Ringtone to a Contacts Entry

When you assign a ringtone to a Contacts entry, the phone plays the ringtone that you assign when you receive a call from that Contact instead of the Voice Calls ringtone.

1. From the **Edit Contact** screen, highlight the **Ringtone** field, then press **Set**. The **My Ringtones** list appears in the display.
2. Select the ringtone that you wish to assign to the Contacts entry. The Contacts entry screen appears in the display with the name of the selected file in the **Ringtone** field.
3. Press **Save** to save the ringer assignment to the selected Contacts entry.

Speed Dial

A Contacts entry's Speed Dial number corresponds to the number keys you press to speed dial one of that entry's numbers. For example:

- To speed dial the Contacts entry assigned to Location 5, press and hold **5 JKL**, (1-touch dialing).
- To speed dial the Contacts entry assigned to Location 35, press **3 DEF** then press and hold **5 JKL**, (2-touch dialing).
- To speed dial the Contacts entry assigned to Location 235, press **2 ABC**, press **3 DEF**, then press and hold **5 JKL**, (3-touch dialing).

You can assign one or more Speed Dial numbers to a Contacts entry during new entry creation or by editing an existing entry.

Assignment During Entry Creation

To assign a Speed Call number to a new Contacts entry number, do the following:

1. Follow either of the New Contacts entry procedures (see *"Adding a New Contacts Entry"* on page 38) until you enter a name for the entry.
2. After entering the Contacts entry name, *do not press* **OK**. Instead, highlight the number field to be assigned a Speed Dial number.
3. Press **Options**, then select **Set Speed Dial**. The **Speed Dial** screen appears in the display.
4. Highlight an **Unassigned** Speed Dial number or enter an **Unassigned** Speed Dial number in the **Go To** field using the keypad.

Important! Do not enter Speed Call numbers 1, 211, 311, 411, 611, or 911. These numbers are already assigned to **Voicemail** (1) or are **Reserved**.

5. Press **Set**. You are prompted to confirm your Speed Dial number assignment.

6. Press **Yes** to save your Speed Dial assignment and return to the **Add New Entry** screen.
Press **No** to discard the assignment and return to the **Speed Dial** screen.
7. Press **Save** to save your changes.

Changing a Speed Dial Location

1. Find the Contacts entry you want to edit. See “*Finding a Contacts Entry*” on page 40 for more information.
2. Highlight the desired entry, then press **Edit**.
3. Highlight the number field marked by the Speed Dial icon (⚡).
4. Press **Options**, then select **Remove speed dial**.
“**Remove speed dial?**” prompts you to confirm your desire to remove the entry.
5. Press **Yes** to remove the Speed Dial assignment.
“**Speed Dial Removed**” pops up in the display, and you are returned to the **Edit Contact** screen.
6. Do steps 2 through 7 of the “Assignment During Entry Creation” procedure on page 47.

Contacts Groups

Contact Groups let you easily send messages to multiple, selected Contacts. You can also use Groups to find Contact entries and to add/remove Contacts names in a Group or to create or rename a Group.

Add Contacts Entry to a Group

Using Add New/Edit Contact Option

To add a Contact to a Group using either the Add New Contact option or the Edit Contact option, do the following:

1. Create a Contacts entry (see “*Adding a New Contacts Entry*” on page 38 for more information) that you want to add to a Group.

– Or –

Edit an existing Contacts entry (see “*Editing a Contacts Entry*” on page 44 for more information) that you want to add to a Group.

2. Highlight the **Group** field, then press **Set**.

The Select Group screen appears in the display showing Groups similar to the following:

- **No Groups**
- **Family**
- **Business**
- **Friends**
- **Colleague**

3. Select the Group to which you want to assign the selected Contact.

You are returned to the **Add New Entry/Edit Contact** screen and the selected Group name populates the **Group** field.

4. Press **Save** to save your changes.

Using Group Add Option

The Add option lets you add one or more existing Contacts to a Group.

1. From the **Contacts** menu, select **Group**.

The **Group List** screen appears in the display showing Groups similar to the following:

- **No Groups**
- **Business**
- **Colleague**
- **Family**
- **Friends**

2. Highlight a Group, then press **Options**. The following options pop-up in the display:

- **Send Txt Msg**
- **Send Pic Msg**
- **Rename**
- **Erase**
- **Add**

3. Select **Add**. The **Add Contacts** screen appears in the display showing a list of Contacts entries.

4. Do one of the following:

- Highlight a Contacts entry you want to add to the group, then press **OK MARK**. A check mark appears in the entry's check box.
Repeat as needed to check all the desired Contacts.
- Press **Options**, then select **Mark All**.

Note: To unmark a marked Contact, highlight the Contact and press **MARK (OK)** to clear the check mark.

5. When you have marked the Contacts you want to add to the group, press **Done**. “**Contact added to group**” appears in the display, followed by the selected Group list including the added Contacts.

Rename a Group

The **Rename** option lets you change the name any of the Groups, except **No Groups**.

1. From the **Contacts** menu, select **Group**. The **Group List** screen appears in the display.
2. Highlight a Group name (other than **No Groups**) that you wish to change, then press **Options**.
3. Select **Rename**.

The **Rename Group** screen appears in the display.

4. Enter changes to the group name using the keypad. (See “*Entering Text*” on page 23 for more information.)
5. When you have completed your changes to the Group name, press **Save**.

“**Group Renamed**” appears in the display followed by the Group List screen showing your renamed Group.

Add a New Group

The **New** option lets you add Groups.

1. From the **Contacts** menu, select **Group**. The **Group List** screen appears in the display.
2. Press **New**. The **New Group** screen appears in the display.
3. Enter a new group name using the keypad. (See “*Entering Text*” on page 23 for more information.)
4. Press **Save**. “**Group Saved**” appears in the display followed by the Group List screen showing your new Group.

Erase a Group

The **Erase** option lets you delete a Group, thus freeing you to reassign the Contacts formerly in the Group.

1. From the **Contacts** menu, select **Group**. The **Group List** screen appears in the display.
2. Highlight the Group you wish to delete, then press **Options**, and select **Erase**.
You are prompted to confirm the Group erasure.
3. Press **Yes** to confirm erasure of the highlighted Group. Press **No** to retain the Group.

Note: When you delete a Group, the assigned Contacts entries return to **No Groups**.

Deleting a Contacts Entry

1. Find the Contacts entry you want to delete. (See “*Finding a Contacts Entry*” on page 40 for more information.)
2. Highlight the desired entry, then press **Options** and select **Erase**. The phone prompts you to confirm the erasure.
3. Press **Yes** to confirm erasure of the selected Contact. Press **No** to retain the Contact.

Memory Info

The **Memory Info** menu option lets you view the number of Contacts entries you have stored in your Contacts list, as well as the number of additional Contacts entries you can store.

- From the **Contacts** menu, select **Memory Info**.
The **Memory Info Contacts** screen appears in the display showing the Total number of Contact spaces, the number Used, and the number remaining (Free).

Section 7: Messages

This section explains how to use your phone to exchange Text and Picture messages with compatible phones and devices.

Note: Available memory is shared between all messages. You can store up to 100 messages. However, the exact number is dependent upon message length.

Accessing the Messages Menu

- In Standby mode, press the Navigation key Down (**Messages** shortcut).

– or –

Press **Menu**, then select **Messages**.

The **Messages** menu appears in the display.

Create and Send Text Messages

Text messages can be up to 160 characters in length.

1. From the **Messages** menu, select **Send Message** → **Text Message**. The **Create Txt Msg** screen appears in the display showing the **To:** list.

Tip: To launch the **Create Txt Msg** screen using a voice command — In Standby mode, press and hold  until the phone prompts, “Say a command.” Say “Send Text” into the microphone. You are then prompted to say a Contact name or a number for the first recipient of the message.

2. Enter the phone number or Email address of the recipient.
– or –
Press **Add** to address your message to **Contacts**, **Groups**, or **Recent Calls**, then **Mark** the desired addressee(s) and press **Done**.
3. Press . The **Text** field appears in the display.

4. Enter your message text. (For more information, refer to “*Entering Text*” on page 23.)
5. If needed, set message delivery options by pressing **Options**. (For more information, refer to “*Message Content and Delivery Options*” on page 57.)
6. Once you’re finished entering your message, press  **Send**.

Send Picture Messages in Camera Mode

Picture messages can be sent to recipients with compatible phones or devices. You can even accompany a Picture message with a voice memo or other sound file.

1. In Standby mode, launch the Camera and take a picture. (For more information, refer to “*Taking Snap Shots (Single Pictures)*” on page 72.)
2. Press **Gallery**, highlight the picture, then press **Options** and select **Send** to begin the delivery process. The **Send** menu appears in the display.
3. Select **Picture Message**. The **Create Pic Msg** screen appears in the display with the **Send To** tab highlighted and showing the **To:** list

4. Enter the phone number or Email address of the recipient(s) of the Picture message.

Tip: Press **Add** to display a pop-up menu containing: **Contacts**, **Groups**, and **Recent Calls**. These options allow you to find and add recipients to the **Send To**, **CC**, and/or **BCC** lists.

Tip: You can send a Picture message to up to ten **Send To**, **CC**, and/or **BCC** recipients. Enter each recipient’s address or phone number in a separate recipient field of the **Create Pic Msg** screen.

5. Press . The **Subject** field appears in the display.
6. Enter a subject for the Picture message.
7. Highlight the **Text** field, then enter the message text.
8. Your new picture is already in the **Picture** field.
9. If you wish to add a sound file to your Picture message, highlight the **Sound** field and do the following; otherwise, proceed to step 10.
 - Press **Sound**. The **My Ringtones** screen appears in the display showing the following options:
 - **Record New:** Record a new memo to insert into the message.

Note: When you record a voice memo before attaching a picture, your voice memo can be up to 60 seconds long.

If you attach a picture before recording the voice memo, the length of the voice memo recording is limited to the amount of remaining memory.

- Audio files list: Select from the list of previously recorded voice memos and pre-loaded audio files on your phone.
 - Select an option to insert a sound into your message.
 - Press **CLR** to exit the pop-up menu without inserting a sound.
- 10.** To complete the message text and set message delivery options, press **Options**. (For more information, refer to “*Message Content and Delivery Options*” on page 57.)
- 11.** Press **OK** **Send** to send the message. “**Pic Msg Sending**” appears in the display and a progress bar indicates the send status.

Send Picture Messages in Standby Mode

Send Picture messages to recipients with a compatible phone or other device, and accompany a Picture message with a voice memo, ringtone, or downloaded melody.

- 1.** From the **Messages** menu, select **Send Message → Picture Message**. The **Create Pic Msg** screen appears in the display with the **Send To** tab highlighted and showing the **To:** list.

Tip: To launch the **Create Pic Msg** screen using a voice command — In Standby mode, press and hold **OK** until the phone prompts, “**Say a command.**” Say “**Send Picture**” into the microphone. You are then prompted to say a Contact name or a number for the first recipient of the message.

- 2.** Enter the phone number or Email address of the recipient.
Press **Add** to address your message to **Contacts**, **Groups**, and **Recent Calls**.

Tip: You can send a Picture message to up to ten **Send To**, **CC**, and/or **BCC** recipients. Enter each recipient's address or phone number in a separate recipient field of the **Create Pic Msg** screen.

3. Press **OK**. The **Subject** field appears in the display.
4. Enter a subject for the Picture message.
5. Highlight the **Text** field, then enter the message text.
6. For a Picture Message, highlight the **Picture** field, then press **Picture**. A photo gallery of thumbnail images appears in the display.
7. Do one of the following:
 - Select a picture to add it to your message.

To expand the highlighted picture for easier viewing, press **View**.
 - Include a new picture by doing the following:
 - Press **Camera**. The Camera viewfinder screen appears.
 - Press **OK TAKE** or  to take the picture.
 - Press **OK Send**.

Note: For more information about using the Camera-Camcorder feature in your phone, see “*Camera*” on page 72.

- Press **CLR** to exit the photo gallery screen without selecting a picture.
- You are returned to the **Create Pic Msg** screen with the selected picture in the **Picture** field.
8. For a Picture Message, to add a sound file to your message, highlight the **Sound** field, then press **Sounds**. The **My Ringtones** screen appears in the display.
 9. Do one of the following:
 - Select a file from the list of previously recorded voice memos and other audio files on your phone.
 - Select **Record New** and record a new voice memo, then select the new recorded sound file to add it to the message.

Note: If you record first before attaching a picture, you can record and insert a voice memo of up to 60 seconds in length. If you attach a picture before recording, the size of the voice memo is limited to the amount of remaining memory.

- Press **CLR** to exit the **My Ringtones** screen without selecting a sound.
10. To complete the message text and set message delivery options, press **Options**. (For more information, refer to “*Message Content and Delivery Options*” on page 57.)
11. Press **OK** **Send** to send the message. “**Pic Msg Sending**” appears in the display and a progress bar indicates the send status.

Message Content and Delivery Options

- **Edit Send To:** Text message only — Edit the recipient’s number or email address.
- **Preview:** Picture message only — View the picture as the recipient will see it.
- **Add Quick Text:** Insert pre-composed text in your message.
- **Save As Draft:** Save the message to your Draft folder.
- **Priority Level:** Choose **High**, **Normal**, or **Low** (Picture message only).
- **Validity Period:** Enter the **Date** when this message will cease to be valid, then press the Navigation key Left or Right to choose the Time.
- **Delivery Ack:** Choose **On** or **Off** — Requests confirmation when your message is received.
- **Remove Pic:** Picture message only — Remove the picture from your message.
- **Remove Sound:** Picture message only — Remove the sound file from your message.
- **Add Slide / Erase Slide:** Picture message only — Add more text, pictures, and/or sound files to your message, or remove them.

- **Add To Contacts:** Save the recipient's number or Email address as a Contacts list entry.
- **Cancel Message:** Discard your message or save it to the Drafts folder, then return to the **Send Message** menu.

Receiving Messages

When you receive a message, your phone notifies you in one of the following ways:

- **In Standby mode:** The ringer sounds (unless turned off) and **New Message** appears in the display along with the closed envelope icon (✉).
- **While in a call:** **New Message** appears in the display along with the closed envelope icon (✉).

The date and time of the message also appear in the display along with the following options:

- **View Now:** Downloads (picture messages) and opens the message. You have the following options:
 - **Text Message:** Forward, Reply With Copy, Save Quick Text, Lock, Add To Contacts, Message Info, or Extract.
 - **Picture Message:** Reply, Forward, Delete, Save Text, Save Pic, or Save Msg.
- **View Later:** Saves the message to your Inbox, where you can view it later, then returns your phone to its previous mode. (For more information, refer to “*Message Boxes*” on page 60.)

Messages and Lock Mode

Your phone can still receive messages while in Lock Mode. The time and date of the message appear in the display, but you cannot access the message until you enter the lock code. (For more information, refer to “*Change Lock*” on page 110.)

Note: The default lock code is the last four digits of your mobile phone number.

Voicemail

Messages in your voice mailbox are logged in the Voicemail box of the **Messages** menu. Open the Voicemail box to view the details of the Voicemail message.

When you're notified of a new voicemail message by an alert tone and the new message icon, the following options pop:

- **Listen Now:** Calls your voice mailbox and lets you listen to your messages.
- **Listen Later:** Returns you to Standby mode where you can choose to call your mailbox and review your messages at a later time.

Listen to Voicemail Now

1. In Standby mode, select **Listen Now** in the New Voicemail pop-up. Your phone automatically calls your voice mailbox.
2. Follow the voice prompts to access your voicemail messages.

Listen to Voicemail Later

1. From the **Messages** menu, select **Voicemail**. The **Voicemail** screen appears in the display.
2. Press **OPEN**. Your phone dials your voicemail account.

Tip: You can also access your voicemail from Standby mode, by pressing and holding  to speed call your voice mailbox.

3. Follow the voice prompts to access your voicemail messages.

Message Boxes

Inbox

Received messages of all types (except Voicemail) are stored in the **Inbox**.

Review Messages in the Inbox

1. From the **Messages** menu, select **Inbox**. The **Inbox** appears in the display showing a list of received messages.

Tip: While in a call, press **Options**, then select **Messages**.

2. Highlight the message you wish to view, then press  **OPEN** to view contents of the highlighted message.
3. While viewing your message, you can access additional options by pressing **Options**. (For more information, refer to “*Message View Options*” on page 65.)

Managing Inbox Messages

1. From the **Messages** menu, select **Inbox**. The **Inbox** appears in the display showing a list of received messages.
2. Highlight a message in the list, you have the following options:
 - To remove the highlighted message from the Inbox, press **Erase**.
 - To review the highlighted message, press  **OPEN**.
 - For more options, press **Options**. (For more information, refer to “*Message List Options*” on page 67.)

Outbox

Your phone stores messages in the Outbox, regardless of whether the message was successfully transmitted. Verify if and when a message or Email was successfully received by enabling the Enh. Delivery Ack/Delivery Ack feature.

Review Messages in the Outbox

1. From the **Messages** menu, select **Outbox**. Your list of sent messages appear in the display.
2. Highlight the message you wish to view, then press  **OPEN** to view contents of the highlighted message.
3. While viewing your message, you can access additional options by pressing **Options**. (For more information, refer to “*Message View Options*” on page 65.)
4. Select an option to perform its function.

Managing Outbox Messages

1. From the **Messages** menu, select **Outbox**. Your list of sent messages appear in the display.
2. Highlight a message in the list, you have the following options:
 - To remove the highlighted message from the Inbox, press **Erase**.
 - To review the highlighted message, press  **OPEN**.
 - For more options, press **Options**. (For more information, refer to “*Message List Options*” on page 67.)

Draft Box

Messages in the Draft Box are those that have been composed and saved to the Draft Box. You can return to the Draft Box at any time to view, edit, or send a draft message.

Create a Draft Message

1. From the **Messages** menu, select **Send Message → Text Message / Picture Message**.
The **Create Txt Msg / Create Pic Msg** screen appears in the display showing the **To:** list.
2. Enter the phone Number or Email address of a recipient, then press .

Tip: Press **Add** to display a pop-up menu containing: **Contacts**, **Groups**, and **Recent Calls**. These options allow you to find and add recipients to the **Send To:** list.

3. Compose your message using the keypad, press **Options**, then select **Save As Draft**. “**Message saved**” appears in the display and your message is saved to the Drafts box.

View and Edit Draft Text Messages

1. From the **Messages** menu, select **Drafts**. A list of any draft messages that you’ve saved appears in the display.
2. Highlight a text message that you wish to view or edit, then press  **EDIT**. The **Create Txt Msg** screen appears in the display.
3. Enter or change the recipient’s number and/or Email address and the message text.
4. Make any needed changes, then set message send options by pressing **Options**. (For more information, refer to “*Message View Options*” on page 65.)
5. When you have completed composing your message, press  **SEND** to send it.

View and Edit Draft Pic. Messages

1. From the **Messages** menu, select **Drafts**. A list of any draft messages that you've saved appears in the display.
2. Highlight the picture message that you wish to view, then press  **EDIT**. The **Create Pic Msg** screen appears in the display.
3. Make any needed changes, then set message send options by pressing **Options**. (For more information, refer to “*Message View Options*” on page 65.)
4. When you have completed composing your message, press  **SEND** to send it.

Managing Draft Messages

1. From the **Messages** menu, select **Drafts**. A list of any draft messages that you've saved appears in the display.
2. Highlight a message, then do one of the following:
 - To remove the highlighted message from the **Drafts** box, press **Erase**.
 - To make changes to the message, press **Edit**.
 - To access other options, press **Options**. (For more information, refer to “*Message List Options*” on page 67.)

Emergency Alerts Box

Emergency Alerts lets you receive geographically-targeted Wireless Emergency Alerts. Alerts will alert you of imminent threats to your safety within your area. There is no charge for receiving Emergency Alerts.

There are three types of Emergency Alerts:

- Presidential
- Imminent (Severe or Extreme)
- AMBER Alerts (missing person alert)

Note: You can choose not to receive Imminent Alerts and AMBER Alerts. You cannot disable Presidential Alerts.

Disabling

To disable Imminent Threat Alerts (Extreme and Severe) and/or AMBER Alerts:

1. From the **Messages** menu, select **Msg Settings → Emergency Alerts → Receive Alerts**.
All alerts are enabled by default (check mark showing).
2. To disable alerts, highlight an alert and press **Unmark**, then press **Done**.

Voicemail Box

From the **Messages** menu, you can view a list of new voicemail messages, clear the voicemail counter, and call voicemail to listen to your messages.

1. From the **Messages** menu, select **Voicemail**. The following options are available:
 - On the **Voicemail** screen, view the number of new messages.
 - To check your messages, press **CALL** to dial voicemail.
 - To clear the voicemail counter, press **Clear**.

Note: For more information about setting up and checking voicemail, see “*Setting Up Your Voicemail*” on page 10.

Message View Options

INBOX

- **Forward:** Send a copy of this message to another recipient.
- **Reply With Copy:** Compose and send a reply message to the originator of the received message and include a copy of the original message.
- **Save Sound:** Picture Messages Only — Save the audio file (sound) included in this message to the My Ringtones folder.
- **Save Pic:** Picture Messages Only — Save the picture included in this message to the My Images folder.
- **Save Quick Text:** Save the text in this message as a new Quick Text.
- **Lock / Unlock:** Block/permit erasure of the highlighted message.
- **Add To Contacts:** Save the sender's number to your Contacts.
- **Message Info:** Shows message delivery status, addressee, size, and so on.
- **Extract:** Calls the sender of the received message.

OUTBOX

- **Play Again:** Replay the sound file in a Picture message.
- **Forward:** Send the highlighted message to another recipient.
- **Erase:** Picture Messages Only — Delete this message from the Outbox, if the message is Unlocked.
- **Lock / Unlock:** Block/permit erasure of the highlighted message.
- **Save Quick Text:** Save the message text as Quick Text for insertion into other messages.
- **Add To Contacts:** Save the recipient's number to your Contacts.
- **Message Info:** Shows message delivery status, addressee, size, and so on.
- **Extract:** Call or send a new message to the recipient for this message.

DRAFT Text

- **Edit Send To:** Change, add, or remove recipients from this message.
- **Add Quick Text:** Insert pre-composed text into your message text.
- **Save As Draft:** Save the message to your Drafts box.
- **Priority Level:** Choose **High** or **Normal**.
- **Validity Period:** Enter the **Date** when this message will cease to be valid, then use the Left and Right navigation keys to choose the **Time**.
- **Delivery Ack:** Choose **On** or **Off** — Requests confirmation when your message is received.
- **Add To Contacts:** Save the recipient's number or Email address to your Contacts.
- **Cancel Message:** End composing this message without sending it. You are prompted to save the message as another draft.

DRAFT Pic

- **Preview:** Shows the message contents.
- **Add Quick Text:** Insert pre-composed text into your message text.
- **Save As Draft:** Saves the changed message to the Draft Box.
- **Priority Level:** Choose **High** or **Normal**.
- **Validity Period:** Enter the **Date** when this message will cease to be valid, then use the Left and Right navigation keys to choose the **Time**.
- **Delivery Ack:** Choose **On** or **Off** — Requests confirmation when your message is received.
- **Cancel Message:** End composing this message without sending it. You are prompted to save the message as another draft.
- **Remove Pic:** Remove image included in draft message.
- **Remove Sound:** Remove sound file included in draft message.
- **Add Slide / Erase Slide:** Add/remove additional set of picture, text, and sound file to/from this message.
- **Add To Contacts:** Save the recipient's number or Email address to your Contacts.

Message List Options

INBOX

- **Reply:** Compose and send a reply message to the originator of the received message.
- **Reply With Copy:** Compose and send a reply message to the originator of the received message and include a copy of the original message.
- **Forward:** Send a copy of this message to another recipient.
- **Lock / Unlock:** Block/permit erasure of the highlighted message.
- **Add To Contacts:** Save the sender's number to your Contacts.
- **Erase Inbox:** Delete one or more selected Unlocked messages from the Inbox.
- **Message Info:** Shows message delivery status, addressee, size, and so on.

OUTBOX

- **Forward:** Send the highlighted message to another recipient.
- **Resend:** Send another copy of the highlighted message to the original recipient
- **Lock / Unlock:** Block/permit erasure of the highlighted message.
- **Add To Contacts:** Save the recipient's number to your Contacts.
- **Erase Outbox:** Erase one or more selected Unlocked messages from the Outbox.
- **Message Info:** Shows message delivery status, addressee, size, and so on.

DRAFTS

- **Send:** Send the highlighted message to the number or Email address currently included with the message.
- **Lock / Unlock:** Block/permit erasure of the highlighted message.
- **Add To Contacts:** Save the recipient's number and/or Email address to your Contacts.
- **Save Quick Text:** Save the message text as Quick Text for insertion into other messages.
- **Erase Drafts:** Delete one or more selected unlocked draft messages.

Erase Messages

You can erase all of the messages in any or all of message boxes using one convenient sub-menu.

Note: This function erases all messages in the selected message box. To delete a single message, go to the respective message box, highlight the message, and press **Erase**. (For more information, refer to “*Managing Inbox Messages*” on page 60, “*Managing Outbox Messages*” on page 61, or “*Managing Draft Messages*” on page 63.)

1. From the **Messages** menu, select **Erase Messages** → **Inbox / Outbox / Drafts / Emergency Alerts / All Messages**.

Important! For more information about Emergency Alerts, see “*Emergency Alerts Box*” on page 64.

2. Select the message box containing the messages you want to delete. You're prompted to confirm the erasure of all messages in the selected box or in all boxes.
3. To delete the messages, press **Yes**. To cancel deleting the messages, press **No**.

Message Settings

Use the **Msg Settings** sub-menus to define settings for general, text, and picture messages.

General Message Settings

1. From the **Messages** menu, select **Msg Settings** → **General**. The following options appear in the display.
 - **Auto Save**: Choose whether your messages are saved automatically when you exit them (**On**, **Off**, **Prompt**).
 - **Auto Erase**: Choose to receive (**On**) or not receive (**Off**) a warning message when you delete a message.
 - **Quick Text**: Edit your pre-composed messages, which can then be inserted into new messages.
 - **Voicemail #**: Edit or view your Voicemail number.
 - **Entry Mode**: Choose the default method for entering text into messages (**T9word**, **T9Word**, **T9WORD**, **abc**, **Abc**, **ABC**, **123**).
 - **Callback #**: Choose whether to include a callback phone number with your outgoing messages, and enter the number to be included.
 - **Signature**: Choose whether to include a text signature in outgoing message text, and enter the text to be included.

- **Reminder**: Select whether and how often you will hear and/or feel a reminder that you have received a message (**Once**, **Every 2 Minutes**, **Every 15 Minutes**, **Off**).

2. Select the desired option, then select the desired setting or enter the desired value.

Editing and Entering Quick Text

1. From the **Messages** menu, select **Msg Settings** → **General** → **Quick Text**. The **Quick Text** sub-menu appears in the display.
2. Highlight a Quick Text you want to change and press **Edit**.

Note: You cannot change the pre-defined Quick Text included with your phone.

3. To create a new Quick Text, press **New**.

Tip: You can also create new Quick Text by viewing/editing an Outbox message and using the **Save Quick Text** option in the **Options** menu. See *“Review Messages in the Outbox”* on page 61 for more information.

4. Enter/change the text content of your Quick Text using the keypad. (See “*Entering Text*” on page 23 for more information.)
5. To save your finished Quick Text, press **OK**. The **Quick Text** menu appears in the display with your new Quick Text highlighted.

Text Message Settings

1. From the **Messages** menu, select **Msg Settings → Text Message**. The following options appear in the display:
 - **Auto View**: On/Off — With Auto View **On**, the full content of a text message appears in the display as the messages is received.
 - **Signature**: Create a signature, which can be included at the bottom of outgoing message text.
 - **Auto Scroll**: On/Off — With Auto Scroll **On**, the full content of a text message automatically rolls upward on the display, one screen-full at a time.
 - **Message View**: Chat/Normal — With Message View set to **Chat**, multiple text messages exchanged with a single addressee appear as a chat session.
2. Select the desired option, then select the desired setting or enter the desired value.

Picture Message Settings

1. From the **Messages** menu, select **Msg Settings → Picture Message**. The following options appear in the display:
 - **Auto Receive**: On/Off — With Auto Receive **On**, Picture messages automatically download and display as they are received. With Auto Receive **Off**, you are prompted to download Picture messages.
 - **Signature**: Create a signature, which can be included at the bottom of outgoing Picture message text.
2. Select the desired option, then select the desired setting or enter the desired value.

Emergency Alerts

1. From the **Messages** menu, select **Msg Settings** → **Emergency Alerts**. The following options appear in the display:
 - **Receive Alerts:** Choose to receive/not receive **Extreme Alert**, **Severe Alert**, and/or **Amber Alert** CMAS alerts.
 - **Alert Reminder:** Choose whether CMAS alerts will be repeated **Once**, **Every 2 Minutes**, **Every 15 Minutes**, or not repeated (**Off**).
 - **Alert Vibrate:** Disable (**Off**) or enable (**On**) vibration when you receive a CMAS alert.
 - **Alert Tone:** Disable (**Off**) or enable (**On**) playing of an alert tone when you receive a CMAS alert.

Section 8: Camera

Use your R270 phone to take full color digital pictures, display them on your phone's vivid color display, and instantly share them with family and friends. This section explains how you can do the following:

- Take pictures with your phone's built-in digital camera.
- Send pictures taken with your phone's camera.
- Set the several options associated with the camera that help you take crisp, clear pictures.

Taking Pictures

Taking pictures with the built-in camera is as simple as launching it, choosing a subject, pointing the lens (located on the front of your phone's flip, near the hinge), and pressing a button.



Taking Snap Shots (Single Pictures)



To take a single picture using the current camera settings, do the following:

1. In Standby mode, press and hold  **Camera**, on the right side of the phone.

The camera view finder screen appears in the display.

Note: You can also activate the camera by pressing **Menu**, then selecting **Multimedia** → **Camera**.

2. Using the display as a viewfinder, point the camera at your subject.
3. To take a photo, press  **Camera** or  **Take**.
4. The photo you've taken is saved automatically.

Tip: You can change a number of the camera's options and settings to suit particular uses for your pictures. (For more information, refer to “*Camera Options*” on page 75.)

Taking Multi Shot Pictures

When taking pictures of moving subjects or subjects you cannot pose, such as children and pets, the camera's Multi Shot mode simplifies the process of taking multiple pictures in quick succession.

1. In Standby mode, press and hold  **Camera**, on the right side of the phone. The camera view finder screen appears in the display.

Note: You can also activate the camera by pressing **Menu**, then selecting **Multimedia** → **Camera**.

2. Press **Options**, then highlight . The following options appear in the display:
 - **Single Shot:** Take one photo with each press of the Camera button.
 - **Series Shot:** Lets you take a series of 5 photos automatically.
 - **Mosaic Shot:** Lets you take a mosaic of 4 photos in one picture.
 - **Frame Shot:** Lets you select any of 29 colorful frames and include your selected frame in your photos.Select **Series Shot** or **Mosaic Shot**.

3. When you select the **Series Shot** option, a Series Shot progress bar () appears in the display.

When you select **Mosaic Shot → On**, a Mosaic division of the viewfinder screen appears in the display.

4. Using the display as a viewfinder, point the camera lens at your subject.
5. For **Series Shot**: press  **Take** or  **Camera** once (all 5 pictures are taken automatically).
Press  **Take** or  **Camera** 4 times for **Mosaic Shot** (once for each photo in the mosaic picture).
6. The pictures are saved automatically.

Point, Click, and Send Pictures

Take a picture and send it to anyone with a compatible device in a few easy steps.

1. In Standby mode, press and hold  **Camera**, on the right side of the phone. The camera view finder screen appears in the display.
2. Using the display as a viewfinder, take the desired picture by pressing **Take** or  **Camera**.
3. To review your new picture, press **Gallery**. An array of recent pictures appears in the display with your new picture highlighted.
4. Press **Options**, then select **Send → Picture Message**. The Create Pic Msg screen appears in the display.
5. Enter the recipient's phone number or Email address using the keypad.
6. For information on addressing and composing your message, see "*Send Picture Messages in Camera Mode*" on page 54.
7. When you are finished composing your message, press **Send** to send the Picture message to the intended recipient(s).

Camera Options

The Camera Options let you adjust default camera settings to suit available lighting, the subject of the photo, or the purpose of the photo, for the current camera session. When you exit the camera, Shot Type and Self Timer revert to their default values, other options or settings are maintained.

To access Camera Options, do the following:

1. In camera mode, press **Options**. The Camera Options menu displays the following:



Shot Type: Takes a Single Shot, Series Shot, Mosaic Shot, or Frame Shot (adds a frame to the photo).



Resolution: Changes the clarity (in pixels) and size (in bytes) of pictures. Resolutions: 960x1280, 480x640, or 240x320.



NightShot: When set to **On**, takes pictures in low light conditions.



Self Timer: Delays taking a picture 2, 5, or 10 seconds.



Quality: Selects how much to compress this photo. Selections are: SuperFine, Fine, or Normal.



White Balance: Adjusts picture quality according to available light. Selections are: Auto, Sunny, Cloudy, Tungsten, and Florescent.



Color Effect: Changes the color look of pictures. Choose from six available settings: Normal, Black&White, Sepia, Negative, Green, and Aqua.



Settings: Set the memory path, Auto save, Icon display, Shutter sound and Reset settings.

- **Memory:** Saves photos to the Phone or Card.
- **Auto Save:** Set to On to automatically save pictures to the Gallery.
- **Icon Display:** Displays icon in the view finder. Choose from Display All, Guidelines, or No Icons
- **Shutter Sound:** Choose a sound to play when the photo is taken. Choose from Off, Shutter, OK, or Ding Dong.
- **Reset Settings:** Returns the camera to its default settings.

Camera Adjustments

Zoom

Zoom lets you temporarily enlarge the pictures you take. Increasing the Zoom (1 – 8) enlarges your pictures (0 is normal).

Note: Zoom is not available to the Camera if the **Resolution** Camera option is set to **1280x960**.

1. In Camera mode, to adjust the Zoom, press the Navigation key Up or Down. The Zoom setting changes in the display.
2. To zoom in, press the Navigation key Up. To zoom out, press the Navigation key Down. (The screen image enlarges or shrinks to show the affects of your changes).
3. The next time you press  **Camera**, the Camera takes the picture using your selected Zoom setting.

Brightness

Brightness lets you temporarily lighten the pictures you take. Increasing the Brightness (1 – 9) lightens your pictures (5 is normal).

1. In Camera mode, press the Navigation key Left and Right. The Brightness setting changes in the display.
2. To brighten your next picture(s), press the Navigation key Right. To darken your next picture(s), press the Navigation key Left. (The screen image lightens or darkens to show the affects of your changes).
The next time you press  **Camera**, the Camera takes the picture using your selected Brightness setting.

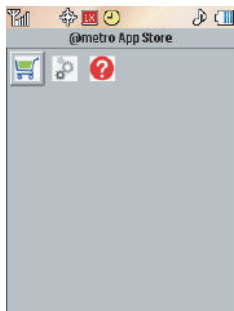
The Photo Gallery

Saved pictures are stored in the My Images folder. You can browse the pictures one at a time (expanded mode), or view several pictures at once in thumbnail format.

1. In the Camera viewfinder screen, press **Gallery**. Any pictures that you've saved are listed with their thumbnail images in the display.
2. To launch the Camera and take new pictures, press **Camera**.
3. To view a picture, press **VIEW**.
4. For more options, press **Options**. The following additional options pop-up:
 - **Send**: Send the currently highlighted or displayed image as part of a Picture Message or Via Bluetooth connection.
 - **Set As**: Assign the currently highlighted or displayed image as the Main Wallpaper, as the Picture ID for a Contact, or the Front Wallpaper.
 - **Erase Images**: Delete one or more marked images from the My Images folder.
 - **Rename**: Change the name of the picture file.
5. Select the desired option to perform its function or to enter its sub-menu.
 - **Lock/Unlock**: Prevent/allow erasure of the currently highlighted or displayed image.
 - **Slide Show**: View all picture files as an automatic slide show.
 - **Image Info**: View the Name, Date and Time created, Resolution, and Size of the currently highlighted or displayed image.

Section 9: @Metro

With @metro, you can download full featured applications over the air including games, personalized ring tones, pictures, and more. You can send and receive instant messages and email, or browse the web to catch up on all the latest news.



This section outlines how to obtain games and other applications for your phone. For more information, contact your Wireless Carrier.

Launching @metro

- In standby mode, do one of the following to launch @metro:
 - Press **Menu** → **@metro**.
 - Press the Navigation key Right (**@metro** shortcut).
 - Press **OK** **App**, then select **@ @metro**.

The @metro menu appears, displaying the following options:

- **@metro App Store**
- **Settings**
- **Help**

Applications Shopping and Downloading @metro App Store

Download games, ring tones, Email, and more by using the @metro App Store.

Note: For information on airtime charges, contact your Wireless Carrier.

1. At the @metro menu, select  **@metro App Store.**

Note: The first time you access Mobile Shop, “**Browsing online and downloading apps may incur network usage charges**” appears in the display along with instructions on how to remove this message.

Your phone takes a moment to connect, then the Mobile Shop Catalog menu appears in the display.

2. Follow the instructions in your phone’s display.

Please check with your Wireless Carrier for availability of applications.

Changing Your @metro Settings

Use the **Settings** menu in @metro to manage, move, order applications, and much more.

1. At the @metro menu, select  **Settings**. The following options appear in the display:
 - **Order Apps:** Download applications over the network.
 - **Move Apps:** Move previously downloaded applications between available folders.
 - **Manage Apps:** View used and available memory.
 - **Main Menu View:** Select whether to view the main @metro menu in a list or icon format.
 - **View Log:** View the @metro log, which displays information about recent activity using Mobile Shop.
2. Select the desired option to enter the option’s sub-menu and view or change settings.

Using On-line Help

The Help sub-menu within @metro is a short tutorial on several @metro features. View information about charges, cancelling subscriptions, buying apps, disabling apps, and more.

1. At the @metro menu, Select  **Help**. The **Help** subjects described in the following subsections appear in the display.
2. Select the desired Help subject to view the selected Help information.

Buying New Apps

To buy new and exciting apps, visit the @metro App Store catalog. It provides you with a variety of apps you can choose from.

What do I pay?

When you buy an app, you will be charged for the purchase cost of the app.

Demo Apps

A Demo app is free and is designed to demonstrate the app's main features. It usually expires after a certain period of time or a number of uses and often has limited functions. When you run a demo app, you will be presented with a purchase option so you won't have to look for the app in the @metro App Store catalog.

Removing Apps

You may remove apps that are no longer needed. When you remove an app, you cannot use the application unless you purchase it again. To remove an app, choose Settings > Manage Apps. Then, select the app you want to remove.

Disabled Apps

You can install new apps even if the memory of your phone is full by partially removing (disabling) apps you haven't used recently. When you need to use a disabled app, you can restore it at no additional purchase cost.

Restoring Apps

Disabled apps can be quickly restored at no additional purchase cost. To restore an app, run the application you want to restore from the Main Menu. You will be guided through the restoration process.

Expired Apps

Apps that were purchased based on the number of uses or time expire. You can purchase additional uses from the @metro App Store catalog.

Section 10: Multimedia

Use the Multimedia menu to access your SCH-R270 phone's Camera to take full color digital pictures, to display and manage pictures and other images, to play and manage ringtones, and to launch the Music Player to play music files.

Accessing Multimedia

- In Standby mode, press **Menu**, then select **Multimedia**.

The following Multimedia feature sub-menus appear in the display.

Camera

Lets you launch and set up your phone's camera. (For more information, refer to “*Camera*” on page 72.)

Music Player

Lets you launch and set up your phone's music player and manage music files stored on an optional microSD memory card.

Using the Music Player

Music Player lets you play MP3 and unprotected AAC, AAC+, WMA music files, loaded onto an optional microSD™ Memory Card using a personal computer. (For information on loading music files on a Memory Card, see “*Loading Music Files*” on page 85..)

Launching the Music Library Menu

1. In Standby mode, press **Menu** → **Multimedia** → **Music Player**, then press **Library**.
2. The **Library** menu appears in the display showing the following options:
 - **Now Playing**: Music Player mode only. Indicates number of music files currently playing.
 - **All**: Lists all music files on the Memory Card. Lets you play individual music files or play multiple music files by creating a temporary music playlist.
 - **Artists**: Lists artist names for music files on the Memory Card and lets you play one or more music files by a selected artist.

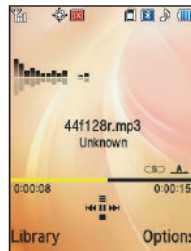
- **Albums:** Lists album titles for music files on the Memory Card and lets you play one or more music files from a selected album.
 - **Genres:** Lists music categories for music files on the Memory Card and lets you play one or more music files of a particular music category.
 - **Recently Added:** Displays music files that were recently added.
 - **Playlists:** Lists any playlists you have saved and lets you create, save, and manage playlists.
3. Use the Navigation key to highlight a music file, then:
- Press **Play** to play the file
 - Press **Mark** to mark the file to play later.
 - Press **Options** and select one of the following:
 - **Mark All:** Marks all listed music files for playing, removal, or assignment of player settings.
 - **Erase:** Deletes highlighted or marked music file(s) from the Memory Card.
 - **Add to Playlist:** Lets you add a marked music file to an existing playlist.

- **Song Info:** Lists the Title, Artist, Album, Genre, File Name, Encoding Format, Bitrate, File Size, and Date of the highlighted music file.

Playing Music

1. In Standby mode, press **Menu** → **Multimedia** → **Music Player** → **Library** / **Now playing** / **All** / **Artists** / **Albums** / **Genres** / **Recently added** / **Playlists**.
2. Highlight a song, press **OK** **Mark**, then press **Play**.

The Music Player screen displays on the screen and the selected music file/playlist begins playing.



Music Player Controls

Volume key:

1. Press the Volume key Up to increase the volume.
2. Press the Volume key Down to decrease the volume.

Navigation key:

1. Press **OK** to pause/resume playing a music file.
2. Press the Navigation key Down to stop playing a music file.
3. Press the Navigation key Left to play a previous music file.
4. Press the Navigation key Right to play the next music file.
5. Press the Navigation key Up to select another music file.
6. Press **Library** to display the **Library** menu.

7. Press **Options** and select one of the following options:

- **Go to Home Screen:** While playing a song, this option returns you to the Home screen, the music continues playing in the background.
- **Play Mode:** Lets you change the play mode to Normal, Shuffle, Repeat One, Repeat All, or Shuffle Repeat All.
- **Add to Playlist:** Displays the Playlists menu to let you add the selected music file to a playlist.
- **Remove From List:** Deletes the selected music file from the Memory Card
- **Visual Supplements:** Lets you change the Music Player visualization to Simple View, Equalizer, Album Art, or Lyrics.
- **Memory Usage:** Displays the Memory Usage screen which lists Memory Card usage and availability amounts.
- **Song Info:** Lists the Title, Artist, Album, Genre, File Name, Encoding Format, Bitrate, Duration, File Size, and Date of the highlighted music file.

Loading Music Files

To transfer music to a microSD™ Memory Card, do the following:

1. Insert a memory card into the phone. (For more information, see *“Install a Memory Card”* on page 11..)
2. Turn on the phone and when the memory card icon displays, the phone places the folders on the memory card that are required for the Camera and Music player to locate the music files.
3. Connect the phone to a personal computer using the USB Data Cable.
4. In Standby mode, press **Menu**, then select **Tools → USB Mass Storage**. A window pops up offering options.
5. Select the “view files” option.
6. Copy music files from the computer into the My_Music folder on the memory card in your phone.
7. To end music transfers, on your phone, press **Done**. You are prompted to confirm exiting UMS (USB Mass Storage) mode.
8. Press **Yes**.

Using My Images

My Images lets you manage your photos and images you download, and lets you choose the pictures that appear in your phone’s display when you turn it on or off, while in Standby mode (wallpaper), and as image IDs for your Contacts.

- From the **Multimedia** menu, select **My Images**. A multiple-page matrix of thumbnail views of saved photos and images appears in the display.
 - To take new photos, press **Camera**.
 - To expand an the view of an image, highlight it and press  **VIEW**.
 - For more options, press **Options**. The following additional options pop-up:
 - **Send**: Send the currently highlighted or displayed image as part of a Picture Message or Via Bluetooth connection.
 - **Set As**: Assign the currently highlighted or displayed image as the Main Wallpaper, as the Picture ID for a Contact, or the Front Wallpaper.
 - **Erase Images**: Delete one or more marked images from the My Images folder.
 - **Move**: Move this image to phone or card memory.

- **Copy:** Make a copy of this image in phone or card memory.
- **View by Location:** Select to view All images or to view only those images in Phone Memory or Card Memory.
- **Rename:** Change the name of the picture file.
- **Lock/Unlock:** Prevent/allow erasure of the currently highlighted or displayed image.
- **Slide Show:** View all your image files as an automatic slide show.
- **Image Info:** View the Name, Date, Time, Resolution, and Size of this image file.

Using My Ringtones Gallery

My Ringtones lets you assign Ringtones for calls, alarms, and other alerts.

1. In Standby mode, press **Menu**, then select **Multimedia** → **My Ringtones**. A list of recorded sound files and ringtones appears in the display.
2. Highlight a ringtone. You have the following options:
 - To assign the highlighted ringtone to be used as a **Ringtone**, a **Contact ID**, or an **Alert Tone**, press **Set As**.
 - To hear the ringtone, press **Play**.
 - For more options, press **Options**. The following additional options are available:
 - **Lock / Unlock:** Prevent/allow erasure of this recorded sound file.
 - **Erase:** Remove this recorded sound file from My Ringtones.
 - **Rename:** Change the name of this recorded sound file.
 - **Ringtone Info:** Show Title, File Size, File Type, and Date for this recorded sound file or ringtone.
 - **Send Via Bluetooth:** Recorded or downloaded files only — Send this file to another device over a Bluetooth connection.

- **Send Pic Msg:** Recorded or downloaded files only — Send this file as part of a Picture Message.

Recording a Sound File

Record New lets you record sound files.

1. From the **My Ringtones** menu, select **Record New**.
2. The **RECORD NEW** screen appears in the display.
 - To start recording a sound file, press  **OK**.
 - To pause/resume recording, press **Pause /Resume**.
 - To stop recording and save the sound file, press  **Stop**.

Section 11: Tools

This section explains how you can use your phone's Personal Information Manager (PIM) Tools to view your calendar, schedule appointments, set alarms, perform simple math calculations, and more.

Accessing Your Phone's Tools

To launch the **Tools** menu:

- In Standby mode, press **Menu**, then select **Tools**.

Bluetooth

Bluetooth wireless technology is a short-range wireless communications technology capable of exchanging information over a distance of about 30 feet without a physical connection.

- From the **Tools** menu, select **Bluetooth**.

Turn Bluetooth On/Off

When Bluetooth is turned on, you can answer and place calls and send or receive information via Bluetooth.

Note: To save battery life or in situations where Bluetooth use is prohibited, such as airline traveling, you can turn off the Bluetooth wireless technology headset.

To turn Bluetooth support on:

- From the **Bluetooth** menu, select **Bluetooth Settings** → **Enable**.

– or –

From the **Bluetooth** menu, select **Registered List**, then at the “**Turn bluetooth on?**” prompt, press **Yes**.

The **Add New Device** screen and the red Bluetooth On icon () appear in the display.

To turn Bluetooth support off:

- From the **Bluetooth** menu, select **Bluetooth Settings** → **Disable**.

– or –

From the **Bluetooth** menu, select **Registered List**, then press **Off**.

“**Bluetooth set to off**” appears in the display and the Bluetooth On icon () disappears.

Registered List

This list shows all Bluetooth wireless technology devices paired with your handset, and indicates whether any device is connected with your handset.

- From the **Bluetooth** menu, select **Registered List**.

Note: If Bluetooth is off, you are prompted to “**Turn bluetooth on?**”.

Press **Yes** to turn Bluetooth on.

To leave Bluetooth off and move to the **Bluetooth Registered List** screen, press **No**.

With Bluetooth on, a list of registered Bluetooth devices or the **Add New Device** screen appears in the display.

Add (Pair With) a New Device

1. From the Registered List, select **Add New Device**.
“**Place device you are connecting to in discoverable mode**” appears in the display. (See the device user manual for more information.)
2. Press **OK**. Names of available devices appear in the display.
3. Highlight the device you want and press **OK** **Pair**.
Your phone attempts to automatically Pair with the selected device. [If automatic pairing fails, you are prompted to enter the passkey or PIN for the selected device. (See the device user manual for the passkey or PIN.)]
Once pairing completes, you are prompted to connect with the device.
4. To connect with the device, press **Yes**.
— or —
To return to the **Bluetooth Registered List** without connecting to the device, press **No**.

Connecting to a Registered (Already Paired) Device

1. From the Registered List, highlight the device and press **OK**.
2. If you are unable to connect with the device a pop-up appears in the display. Press **Yes** to retry.

Disconnecting from a Bluetooth Device

- From the Registered List, highlight the device and press **Off**.

Managing Your Registered List

- From the Registered List, highlight a device and press **Options**. The Options let you Remove or Rename this device, set Incoming Security, Discover what Bluetooth profiles apply, review Device Information, Send a Name Card (Contact information), and get files from this device.

Bluetooth Settings

The **Bluetooth Settings** menu provides the ability to view and change the device name, show the visibility, and set the security for the device.

To access Bluetooth settings:

- From the **Bluetooth** menu, select **Bluetooth Settings**. The following options appear in the display:
 - **Enable / Disable**: Turns Bluetooth on or off. (For more information, see *“Turn Bluetooth On/Off”* on page 88..)
 - **Discovery Mode**: Select **On** for other devices to see your device, or **Off** for no visibility.
 - **Device Name**: Shows your phone's handset name. You can change this name. Enter text changes and press **OK**. (For more information, refer to *“Entering Text”* on page 23.)
 - **Supported Profiles**: Lists the Bluetooth profiles your phone supports. For descriptions of the profiles, press **OK View**.
 - **Device Info**: Shows the Bluetooth Type, Status, and Address of your phone.

Calendar

Calendar allows you to view the current, past, or future month in calendar format. While viewing the calendar, the current date is highlighted, and days with scheduled events are surrounded by a box.

View an Event

1. From the **Tools** menu, select **Calendar**. A calendar appears in the display with the current date highlighted. The month and year appear at the top of the display.
2. To move around within the calendar, use these keys:
 - To move to an individual day, one day or one week at a time, use the Navigation key.
 - To view previous months, press the Volume key Up.
 - To view succeeding months, press the Volume key Down.
 - To add an event to the highlighted date, press **Add**.
 - To call up a list of events on the highlighted date, press **OK View**.
 - To access other options while viewing the calendar, press **Options**. You can Go to a Date by entering it, Go to Today's date, Erase one or more Old events, or Erase All events.
3. To display the highlighted event, press **OK View**.
 - To change the event details, press **Edit**. (See *"Add a New Event"*.)
 - To return to the Events list, press **OK**.
 - For more options, press **Options**. You can return to the Monthly calendar or Erase this event from the calendar.

Add a New Event

1. From the **Calendar**, press **Add**.
2. To highlight New Event options, press the Navigation key Up or Down.
3. Enter the Name of the new event. (For more information, refer to “*Entering Text*” on page 23.)

Note: The current mode of text entry is indicated in the lower left corner of the display.

4. Enter the **Start Date**, using leading zeros (such as, 03, for March) and a 4-digit year (such as, 2012).
5. Enter the **Start Time**, using leading zeros (such as, 03).
 - Press the Navigation key Left or Right to select **AM** or **PM**.
6. Repeat Steps 4 and 5 for the **End Date** and **End Time**.
7. To select values for the **Recurrence**, **Alert** type, **Alert** tone, **Reminder**, and **Alert time** options, press the Navigation key Left or Right.
8. To store the event in your calendar, press **OK** **Save**.

Tip: An alarm will notify you prior to the event, provided you set **Reminder** to a value other than **Off**.

Memo Pad

Create notes and store them in Memo Pad. Notes that you create in Return to Memo Pad anytime to review and edit your notes.

Note: Memo Pad can't be prioritized or assigned an alert.

- From the **Tools** menu, select **Memo Pad**. If you have any stored memos, they appear as a list in the display.

Create a Memo

1. From the Memo Pad list, press **Add**.
2. Enter memo text using the keypad.

Tip: The current mode of text entry is indicated in the lower right corner of the display.

3. To save the memo, press **OK**.

Review, Edit, and Erase Memos

1. From the Memo Pad list, highlight the desired memo.

You have the following options:

- To add a new memo, press **Add**. (For more information, refer to “*Create a Memo*” on page 92.)

- To review the highlighted memo, press  **View**.

While viewing a memo, you can do any of the following:

- Change the text of the memo by pressing **Edit** and using the keypad keys. (For more information, refer to “*Entering Text*” on page 23.)
 - Return to the Memo Pad screen by pressing .
 - Press **Options** to Erase the memo you are viewing, Add a New Memo, or Lock/Unlock the memo you are viewing.
- To Edit or Erase a memo, Erase all memos, or Lock / Unlock a memo, press **Options** and select the desired options.

Alarm Clock

Your phone lets you have up to 10 alarm clocks that can each be set to go off at a different time once, or to recur on a select day of the week.

Note: The alarm doesn't function when the phone is turned off.

If the time for an alarm that was set for Once has elapsed while the phone is off, the alarm occurs at the specified time on the next day.

1. From the **Tools** menu, select **Alarm Clock** → **Options** → **Add new alarm**.
2. To set the alarm **Off** or **On**, press the Navigation key Left/Right.
3. Enter the time for the alarm, then use press the Navigation key Left/Right to select **AM** or **PM**, the alarm **Frequency** (**Daily**, **Mon.-Fri.**, **Weekends**, or **Once**), the **Ringer** type (**Tone**, **Vibrate**, **Light Only**), and the ringtone (from **My Ringtones**).
4. Press **Save**. If the alarm is set to **On**, the alarm icon () appears in the top line of the display.

When an Alarm Sounds

An animated alarm clock appears in the display along with **Snooze** and **Dismiss** options and an alert sounds when the specified time for the alarm arrives.

- To silence the alarm, use select **Snooze** or **Dismiss**.
- If the alarm was set as a Daily alarm, the alarm icon remains in the top of the display.
- If the alarm was set as a Once only alarm, the alarm icon disappears from the top of the display.

Turn Off the Alarm

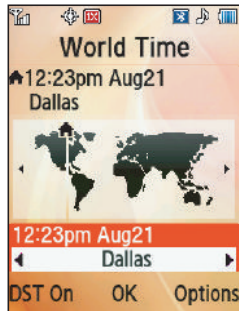
1. From the **Tools** menu, select **Alarm Clock**.
2. Highlight the desired Alarm, then press **Options** and select to turn the alarm **On / Off** (without changing the settings), to **Add new alarm**, to **Erase this alarm**, or to **Erase all** of the alarms.

World Time

World Time lets you view the time of day or night in any of the 24 different time zones around the world.

Note: To use World Time, you need to subscribe to your Wireless Provider's digital service.

- From the **Tools** menu, select **World Time**. A world map appears in the display, showing the time and date in one or two cities or time zones.



Selecting/Displaying Time Zones

World Time lets you view the time and date in up to two locations or time zones.

Viewing a Time Zone

To view the time and date in a particular time zone or location, do the following:

- Locate and view a particular time zone by pressing the Navigation key Left or Right until the desired time zone appears in the display.
 - or —
 - Press **Options**, then select **Go to City** and the desired city name.
- To set the displayed time zone as the default time zone for the second World Time clock, press **OK**.
- To return to the **Tools** menu without changing the default time zone, press **CLR**.

Selecting a Home Zone

To change home (upper) time zone or location, do the following:

1. In the **World Time** screen, locate and view the time zone you wish to make your Home Zone.
2. Press **Options** and select **Set as Home Zone**.

Enable Daylight Saving Time (DST)

1. Display the desired time zone.
2. Press **DST Off / DST On**.
3. To accept the highlighted setting, press **OK**.

Calculator

You can perform calculations, including addition, subtraction, multiplication and division using your phone.

Note: You must use the phone keypad to use the Calculator.

1. From the **Tools** menu, select **Calculator**. The Calculator screen appears in the display.
2. Enter the first number in your calculation using the keypad. (Numbers can be up to 15 digits long. Up to 5 of the digits can be after a decimal point.)
 - To enter a decimal point, press **[.]**.
 - To change the sign for a number to a negative, press **[+/-]**.
 - To add parentheses **[()]** to your calculation or to enter a **Power** exponent **[^]**, such as, 3^2 , which is the equivalent of 3^2 , press **Operator** and select the desired Operator.
 - Press **Clear** to clear current entries.
3. Select a type(s) of calculation.
 - **[x]** Multiplication — Press Navigation key Up.
 - **[÷]** Division — Press Navigation key Down.
 - **[+]** Addition — Press Navigation key Right.
 - **[-]** Subtraction — Press Navigation key Left.

4. Enter the other number(s) and press **[OK]** to perform the calculation and view the result.

Stop Watch

You can use this function to set a stop watch.

1. From the **Tools** menu, select **Stop Watch**. The **Stop Watch** screen appears in the display.
2. To start, stop, and resume the stopwatch count, press **[OK]**.
3. At the start of each succeeding event/lap, press **Record** to record the completion time for the previous event/lap. You can record up to eight event/lap times.
4. To reset the stop watch display and to erase all recorded (lap) times, press **Reset**.

Converter

The **Converter** lets you convert one measure of the available categories (**Currency**, **Length**, **Weight**, **Volume**, **Area**, and **Temperature**) into another.

1. From the **Tools** menu, select **Converter → Currency / Length / Weight / Volume / Area / Temperature**.
2. Use the Navigation key to select the units to be converted **From** and **To**.
3. Enter the quantity you want converted in the **From** field. The converted quantity appears in the **To** field.

Note: To include a decimal point, press .

Currency — Reviewing/Editing Exchange Rates

The Currency Converter includes long-term average exchange rates as default values.

1. From the **Tools** menu, select **Converter → Currency**.
2. To open the **EXCHANGE RATE** list, press **Rate**.
3. To edit an Exchange Rate:
 - Press **Edit**.
 - Highlight an exchange rate, and enter any changes.
 - To save the changed exchange rate, press **OK**.
To discard the change, press **Cancel**.

Currency — Adding Exchange Rates

You can use the Currency Converter to convert from and to obscure currencies by adding exchange rates for these currencies.

1. From the **Tools** menu, select **Converter → Currency**.
2. To open the **EXCHANGE RATE** list, press **Rate**.
3. Press **Add**. The **ADD EXCHANGE RATE** screen appears in the display with the **Base** field highlighted.
4. To select the **Base** currency to be converted from, press the Navigation key Left and Right.
5. Highlight the **Currency** field, and enter an identifier of up to 5 characters for the new currency using the keypad. (For more information, refer to “*Entering Text*” on page 23.)
6. Highlight the **Exchange Rate** field, and enter a decimal exchange rate for the new currency using the keypad.

Note: To enter the decimal point, press ***+.**

The **Exchange Rate** field only accepts up to five digits after the decimal point.

7. Press **Save** to save the new exchange rate.

Currency — Erasing Exchange Rates

You cannot erase the preloaded currencies from the Exchange Rate list. You can erase a currency that you have added to the list by doing the following:

1. From the **Tools** menu, select **Converter → Currency**.
2. Press **Rate**. The **EXCHANGE RATE** list for the **From** currency appears in the display.
3. Highlight the user-added currency exchange rate to be erased.
4. Press **Erase**. You are prompted to confirm the erasure.

Note: The **Erase** soft key is undefined for preloaded Exchange Rates. This prevents you from erasing them.

5. To erase the exchange rate, press **Yes**. To keep the exchange rate, press **No**.

Tip Calculator

Tip Calculator automatically calculates the following amounts:

- Gratuity (tip)
 - Individual payment (for groups)
1. From the **Tools** menu, select **Tip Calculator**. The **Tip Calculator** screen appears in screen, with the **Bill** field highlighted.
 2. Use the keypad to enter the total amount of the bill.
 3. If needed, highlight the **Tip** field, and enter a tip percentage.
 4. If needed, highlight the **# Paying** field, and enter the number of persons paying.
 5. The amount of the Tip, the final Total, and the amount Each person should pay appear in the lower half of the screen.

USB Mass Storage

USB Mass Storage lets you transfer files between personal computers and an optional Memory Card in your phone.

Note: To use the USB Mass Storage tool, you must install an optional microSD Memory Card. For more information, refer to *“Install a Memory Card”* on page 11.

1. From the **Tools** menu, select **USB Mass Storage**.
You are prompted to connect your phone to a personal computer using the USB Data Cable.
2. Connect your phone to a personal computer. A window pops up on the other device. Use it to copy or move files. (For more information, refer to *“Loading Music Files”* on page 85.)

Section 12: Voice SVC

Voice SVC Options

Your SCH-R270 includes Nuance VSuite, state-of-the-art voice recognition software that lets you use your voice to dial numbers, access your Contacts list, and open Tools. To access your phone's voice recognition, do the following:

1. In Standby mode, select **Menu** → **Voice SVC**. The following options appear in the display:
 - **Voice Commands:** Place calls, access your Contacts List, review your appointments, and more by speaking commands into your phone. Also see “*Voice Dialing*” on page 29 and “*Voice Method*” on page 41 for more information.
 - **Voice Settings:** Tailor VSuite to better respond to your voice and your phone use preferences. See “*Adapt Voice*” on page 102 for more information.
 - **Voice Guide:** Enable or disable Voice Svc reading of menu options.
2. Select the desired sub-menu.

Voice Commands

To access the Voice Command menu, do one of the following:

- In Standby mode, press and hold .

— or —

From the **Voice SVC** menu, select **Voice Commands**.

“**Say a Command**” appears in the display and plays through the earpiece.

Note: You can also set your phone to start VoiceSignal when you connect an optional headset to the phone. (For more information, see “*Key Setting*” on page 104.)

The following voice commands appear in the display:

- **Call:**
 - Call a Contact by saying the name saved in your Contacts list.
 - Call any telephone number, even if not saved in your Contacts list, by saying the digits in the number. (For more information, refer to “*Voice Dialing*” on page 29.)
- **Send:** Compose and send a Text message or Picture message.
- **Go to:** Access Main menu and submenu options.

- **Check:** Verify your phone's **Status, Voicemail, Messages, Missed Calls, Time, Signal Strength, Battery Level, Volume, or My Number.**
- **Contacts:** Find a Contact by name and review the Contact's information.
- **Redial:** Redial the last number you dialed.
- **Help:** View Voice Commands usage information.

Note: Speaking clearly, say the command that you want to use. If VoiceSignal does not recognize a command, it prompts you to repeat the command. If VoiceSignal still does not recognize the command, it tells you “**Sorry, no match found**” and cancels voice recognition.

Voice Command Tips:

- Make sure you wait for the beep before speaking.
- Speak clearly at a normal volume, as if you were talking on the phone.

Voice Settings

To access the Voice Settings menu:

- From the **Voice SVC** menu, select **Voice Settings**.

Confirm Choices

When VSuite cannot recognize a name or number, it displays a choice list of up to three possible choices, and prompts you to confirm the correct one. To change the way VSuite uses choice lists:

- From the **Voice Settings** menu, select **Confirm Choices**. The available options are:
 - **Automatic:** VSuite displays a choice list only when it does not recognize a spoken name or number.
 - **Always Confirm:** VSuite always displays a choice list, even when there is only one choice.
 - **Never Confirm:** VSuite never displays a choice list.

Sensitivity

1. From the **Voice Settings** menu, select **Sensitivity**.
2. Select **More Sensitive, Automatic** (the default value), or **Less Sensitive**.

Adapt Voice

If VSuite regularly makes mistakes recognizing the numbers you speak, you can use Adapt Voice to improve the accuracy of Suite's digit recognition.

Note: After you use Adapt Voice, your phone is customized to your voice, and your voice only. Others will not be able to use it unless they Reset Adapt Voice to factory defaults. (For more information, refer to “Reset Voice” on page 103.)

Tips for Adapting Voice:

- Use Adapt Voice in a quiet place.
- Wait for the beep before starting to speak.
- Speak clearly, and say each digit distinctly.
- If you make a mistake, or if there is an unexpected noise that spoils the recording, re-record that sequence.
- Only use Adapt Voice if you are regularly having problems with digit dialing. Once you use Adapt Voice, digit dialing will not work as well for other people using your phone. (You can always Reset Adapt Voice to its original, default settings.)

Adapt Voice

To adapt voice recognition, do the following:

1. From the **Voice Settings** menu, select **Adapt Voice** → **Adapt Voice**. Your phone displays text describing the Adapt Voice process.
2. Press . Your phone plays “Please say” through the speaker, followed by the first of 15 sequences of words and/or numbers appearing in the display.
3. Wait for the words “**ADAPT VOICE**” to begin flashing, then say the displayed words and/or digits using your normal tone of voice.

After a moment, the phone prompts you with a new sequence of words and/or digits.

4. Repeat Step 3 until all 15 sequences have played. You are returned to the **ADAPT VOICE** menu.

Reset Voice

To reset Adapt Voice to factory default settings, do the following:

1. From the **Voice Settings** menu, select **Adapt Voice** → **Reset Voice**. The phone prompts you to confirm Adapt Voice reset.
2. To reset your voice adaptation, press **OK**.
— or —
To keep your voice adaptation, press **No**.

Prompts

Use the Prompts option to select what (if any) text prompts you want your phone to read to you through the speakerphone or earpiece.

1. From the **Voice Settings** menu, select **Prompts**. The following options appear in the display:
 - **Mode**: Select **Prompts** or **Tones Only**. Press **Info** for descriptive text.
 - **Audio Playback**: Select **Speakerphone** or **Earpiece**. Press **Info** for descriptive text.
 - **Timeout**: Select **5 seconds** or **10 seconds**. Press **Info** for descriptive text.
2. Select the desired option and the desired setting.
3. To accept the new setting press **OK**.
— or —
To discard the new setting and return to the **Sound** menu, press **CLR**.

Key Setting

To set the key or action that launches Nuance Vsuite, do the following:

1. From the **Voice Settings** menu, select **Key Setting**. The following options appear in the display:
 - **Voice Key Only:** Activate VSuite by pressing and holding .
 - **Voice Key/Ear Mic:** Activate VSuite by attaching an optional headset to your phone, or by pressing and holding . Now, you can make and end calls using VoiceSignal by pushing the button on the headset.
 2. Select the desired option.
 3. To accept the new setting, press .
- or —
- To discard the new setting and return to the **Voice Settings** menu, press .

About

- From the **Voice Settings** menu, select **About**.
The **About Nuance** screen appears in the display showing the version level of the VSuite software currently installed on your phone.

Section 13: Changing Your Settings

This section explains how to configure your phone's language, network preferences, security options, and other settings.

To launch the **Settings** menu:

- In Standby mode, press **Menu**, then select **Settings**.

The **Settings** menu appears in the display.

Location

You can set your phone to pass Global Positioning System (GPS) data to identify your location to the network continually (**Location On**) or only when you make an emergency (911) call (**911 Only**).

Note: Check with your Wireless Carrier to determine if/when/where location-based services are available.

Display Settings

Display settings let you change your phone's menu appearance, display brightness and contrast, and display content to better meet your needs.

To launch the **Display Settings** menu:

- From the **Settings** menu, select **Display Settings**.

The **Display Settings** menu appears in the display.

Wallpaper

Wallpaper lets you choose images to appear in the background on your phone's **Main Display** and **Front Display** while in Standby mode. You can choose from downloaded images in your **My Images** folder or from the **Preset Images** folder.

Clock Format

Clock lets you choose whether and in what format the time and date appear as the **Main Clock** [**Samsung**, **Digital** (default), **Analog**, **Off**] and/or the **Front Clock** [**Samsung** (default), **Digital**, or **Analog**] on your phone.

Theme

Theme lets you choose the color scheme [**Samsung** (the default) or **Celestial**] used to display menu screens, pop-up menus, and messages.

Font Size

Font Size lets you choose the size of the numbers [**Normal** (the default) or **Large**] that appear in the display when you place a call.

Banner

Create your own 18-character **Personal** banner that appears in the display while your phone is in Standby mode. You can also enable/disable the (Extended Roaming Indicator) **ERI Banner** by selecting **On** (default) or **Off**.

Tip: Press and hold **CLR** to erase an existing Personal banner, if necessary. (For more information, refer to “*Entering Text*” on page 23.)

Backlight

You can separately set the **Main Display**, **Keypad**, and/or **Charging** backlight to remain on for 10, 15, or 30 seconds; to be **Always On** as long as the folder is open; or to be **Always Off**. You can also set the **Brightness** of the backlight for your displays and keypad.

Note: Prolonged backlight use drains your battery faster.

Front Contrast

Front Contrast lets you set the Front display contrast to enhance its readability.

Shortcut Icon

Shortcut Icon lets you enable/disable (set to **On** or **Off**) the Shortcut Icon bar that appears in the idle screen when enabled and you press **APP**.

You can also select/deselect (**Mark** / **Unmark**) which Shortcut Icon APPs appear in the Shortcut Icon bar: **Metro Total Protection**, **MyExtras**, **IM and Social**, **mail@metro**, **Metro411**, **MetroWEB**, **@metro**, **Pocket Express**, and **myMetro**.

For information on using the Shortcut Icon bar, .

Sounds Settings

Sounds settings let you customize your phone's audio properties, such as ringers, keypad tones, alerts, start up melody, and more.

To launch the **Sound Settings** menu:

- From the **Settings** menu, select **Sound Settings**.

The **Sound Settings** menu appears in the display.

Master Volume

Use the **Master Volume** screen to set the default volume for Voice Calls ringers, Messages alerts, and Alarms to the desired level (**Silence All**, **Low**, **Low/Medium**, **Medium**, **Medium/High**, or **High**) or vibrate mode (**Vibrate**, or **Vib. on** / **Vib. off** soft key).

Ringer Type

Use the **Ringer Type** sub-menu to select ringtones, melodies, or recorded sounds to play as ringers for **Voice Calls**, **Messages** (Text, Picture, and Voicemail), and **Roam Ringer** alerts. You can play each ringtone, melody, or recorded sound before you select one.

Alerts

You can set your phone to sound an alert for each elapsed minute during a call, whenever you enter or leave your home service area, whenever you connect or disconnect a call, and/or when enhanced voice privacy is available or not.

Key Tone

Lets you adjust the volume level and length (duration) of the tones that the keypad generates when you press the keys.

Call Settings

The Call Settings options let you select how your phone handles voice and data calls by setting call options such as Auto Retry, Data rates for data calls, and more.

Call Answer

You can set your phone to answer incoming calls when you press any key on the keypad except , , or ; only when you press ; or when you open the flip.

Auto Answer

Auto Answer lets you set your phone to automatically answer calls after 1 Second, 3 Seconds, or 5 Seconds.

Auto Retry

Auto Retry automatically re-dials a number at an interval you select, when there is no answer or the dialed party is busy. Depending upon your location, the number of times your phone redials a number may vary.

TTY Mode

Your phone is fully Teletypewriter (TTY)/Telecommunication Device for the Deaf (TDD) compatible. You connect TTY/TDD equipment to the headset connector on the top of your phone, behind the folder hinge. You can set your phone to allow TTY/TTD communication while you converse with the other party, or you can limit voice communication to Talking or Hearing only.

Note: **TTY Mode** must be enabled before you can use your phone with TTY/TDD equipment.

The **TTY Mode** option has no effect on the phone's earpiece, microphone, or speaker. When you select **TTY Full**, all currently enabled sound functions remain enabled.

Voice Privacy

Voice Privacy lets you choose what level of voice security (**Standard** or **Enhanced**) your phone will use. When set to **Enhanced**, your R270 sounds an alert tone if the network's voice security level drops to **Standard**.

Tip: You can change your Voice Privacy setting during a call by using the **In-Use Menu** options. (See *"In-Use Menu"* on page 33 for more information.)

You can set your phone to alert you when Voice Privacy support changes. (For more information, refer to *"Alerts"* on page 107.)

Hearing Aid Mode

Hearing Aid Mode lets you power **On** your phone's Hearing Aid compatibility functions or power them **Off** (default value — to save power).

Phone Settings

You can set or reset the operating characteristics of your phone to suit your location and/or to limit access to your phone.

Airplane Mode

When set to **On**, Airplane Mode disables all radio functions of your phone. This blocks you from making or receiving calls other than Emergency (911) calls, but allows you to use other features (such as the camera and the Tools) safely in sensitive environments, such as on board an aircraft.

Tip: If you need to make an emergency call with Airplane mode enabled, just dial the emergency number and press



Language

The **Language** option lets you select the language (**English** or **Español**) of menus, sub-menus, and other user-interface features.

Security

Use the **Security** sub-menu to lock your phone, set up emergency numbers, enable or disable voice privacy, set restrictions, and other security options.

To access the Security sub-menu, you are prompted to enter your phone's four-digit lock code.

Note: The default lock code is the last four digits of your mobile phone number.

Lock Phone

The **Lock Phone** option lets you Lock or Unlock your phone immediately or set your phone to lock itself On Power Up. Locking the R270 blocks all outgoing calls except those to 911 and to any other user-programmed emergency numbers. You can lock the phone manually, or set the phone to lock automatically when turned on. In Lock mode, you can answer calls, but you must unlock the phone to place calls (except to emergency numbers). (For more information, refer to “*Emergency #*” on page 111.)

Important! If after setting your phone to Lock itself On Power Up, you change the **NAM Selection** setting from **NAM1** to **NAM2**, but there is no number programmed into **NAM2**, you won’t be able to access your phone. You must call your Wireless Provider’s Service Center to unlock your phone.

Auto Device Lock

Auto Device Lock lets you set your phone to automatically lock itself after 5 mins., 10 mins., 15 mins., 30 mins., or 60 mins. without a keypress or other activity.

Change Lock

Change Lock lets you replace your phone’s default lock code (the last four digits of your phone number) with one of your own choosing.

It is advisable to change the default lock code to a secret code for security purposes.

When you select **Change Lock**, you are prompted to enter the current lock code followed by entering your new lock code, and then re-entering it, for verification.

Note: Your phone does not allow you to view the lock code for obvious security reasons. If you change the lock code, be sure to write down or memorize the new code.

Emergency

The **Emergency #** option lets you enter and store up to three emergency numbers in your phone. Each number can be up to 32 digits long. You can dial your emergency numbers any time, even when your phone is locked or restricted.

Note: Emergency number 911 is hard-coded into your phone. You can dial this number any time, even when the phone is locked or restricted. If you call 911 you will hear audible tone and an Emergency prompt will appear in the display for the duration of the call.

Important! Because of various transmission methods, network parameters, and user settings used to complete a call from your wireless phone, a connection cannot always be guaranteed. Therefore, emergency calling may not be available on all wireless networks at all times.

Important! DO NOT depend on this phone as a primary method of calling 911 or for essential or emergency calls.

Remember to always turn your phone on and check for adequate signal strength before placing an emergency call.

Note: When you dial an emergency number, your phone locks itself to the emergency location that answered the call and locks itself in 911-Only mode, blocking from dialing any number but an emergency number.

- **To store emergency numbers:** Select the **Emergency #** option, then select one of the three emergency number options, and enter and save your new emergency number.
- **To call emergency numbers** (even in lock mode): Simply enter 911 or one of your emergency numbers and press  to place the call.

Reset Phone

The **Reset Phone** option returns all settings on your phone (except for Contacts entries) to their factory default values.

Caution! Before selecting **Reset Phone**, contact your Wireless Carrier. Invoking **Reset Phone** may erase settings made by your Wireless Carrier from your phone, resulting in loss of service.

Erase All Contacts

The **Erase All Contacts** option deletes all entries from the Contacts list.

Restriction

The **Restriction** option settings let you Allow All **Calls**/Allow calls only to/from your Contacts/Allow No **Calls** (Incoming and Outgoing), Allow All/None **SMS** (Text) **Messages**, Allow All/None **MMS** (Picture) **Messages**, and/or Allow All/Allow None **Data** calls.

Note: All default restriction settings are **Allow All** (unrestricted).

Factory Data Reset

Use Factory data reset to return your phone to its factory defaults. This setting erases all data from your phone, including system and application data and settings, and downloaded applications. It will not erase current system software and pre-installed applications, or files stored on an optional installed memory card, such as music or photos.

Caution! Before selecting **Factory Data Reset**, contact your Wireless Carrier. Invoking **Factory Data Reset** may erase settings made by your Wireless Carrier from your phone, resulting in loss of service.

NAM Selection

The **NAM Selection** option lets you select your preferred system (**NAM 1** or **NAM 2**), provided your phone has a NAM 2 number programmed into it. (For more information, contact your Wireless Provider.)

Important! If after setting your phone to Lock itself On Power Up, you change the **NAM Selection** setting from **NAM 1** to **NAM 2**, but there is no number programmed into **NAM 2**, you won't be able to access your phone. You must call your Wireless Provider's Service Center to unlock your phone.

System Select

The **System Select** option lets you disable (**MetroPCS Only**) or enable (**Automatic**, default) your phone's ability to roam (that is, automatically select a network to use when outside of your Home Area).

Set Time

Use the **Set Time** options to set the current time and date displayed on your phone and used by your phone's Tools. (For more information, refer to "Tools" on page 88.)

Note: In digital service mode, the **Set Time** feature is disabled. The network adjusts time and date automatically.

With **Airplane Mode** set to **On**, the **Set Time** feature is enabled.

- Enter the current Date using your keypad:
 - The month and day must be entered using two digits each.
 - The year must be entered with all four digits.
- Enter the current Time using your keypad:
 - The hour and minute must be entered using two digits each. You must enter the hour in 12-hour format.
 - Use the Left and Right navigation keys to select **am** or **pm**.

Speed Dial

The **Speed Dial** option lets you enable (**On**) or disable (**Off**) speed dialing of Contacts. (For more information, refer to "Speed Dial" on page 47.)

Quick Search

When set to **On**, the **Quick Search** option provides an easy way to find Contacts from Standby mode.

In Standby mode, just press the number keys that correspond to the first few letters of a Contact name, then press the Navigation key Up (to find a matching Contact).

PC Connection

The **PC Connection** option lets you enable (**USB Mass Storage** setting, the default) or disable (**No Connection** setting) your R270's ability to act as a USB flash drive, provided you have installed an optional microSD or microSDHC Memory Card and an optional USB Data Cable.

Note:For more information, refer to *"Install a Memory Card"* on page 11.

With **PC Connection** set to **USB Mass Storage**, you can transfer music, sound, ringtone, and image files to and from a microSD or microSDHC Memory Card.

Phone Info

Phone Info lets you review the phone number assigned to your phone; lets you reference the meanings of icons that appear on your phone's Standby mode screen; lets you identify the hardware and software versions of your phone, the @metro software, and the assigned MEID number (in Decimal and Hexadecimal formats); lets you review the Open Source software Licenses for this phone; and lets you identify the software version of your phone's Operating System.

Memory Info

The **Memory** options let you:

- Select the default storage location (**Phone Memory** or **Card Memory**) for images taken with your phone's Camera and for ringtones you download onto you phone.
- Review the amount of available and used Phone Memory and/or Card Memory, if installed, and manage the contents.
- Format an optional microSD or microSDHC Memory Card.

Note:The **Format Card** option prepares used microSD™ or microSDHC™ Memory Cards for use with your phone.

Repeated formatting of a Memory Card can shorten its service life.

Erase files rather than format the Memory Card.

Section 14: Health and Safety Information

This section outlines the safety precautions associated with using your phone. The terms “mobile device” or “cell phone” are used in this section to refer to your phone. Read this information before using your mobile device.

Exposure to Radio Frequency (RF) Signals

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated.

The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at http://www.iarc.fr/en/media-centre/pr/2010/pdfs/pr200_E.pdf.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at

<http://www.ukcosmos.org/index.html>.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at

http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at

<http://seer.cancer.gov/>.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone.

Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program:
<http://www.fcc.gov/oet/rfsafety/>.
- Environmental Protection Agency (EPA):
<http://www.epa.gov/radtown/wireless-tech.html>.
- Occupational Safety and Health Administration (OSHA):
<http://www.osha.gov/SLTC/radiofrequencyradiation/>.
(Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH):
<http://www.cdc.gov/niosh/>.
- World Health Organization (WHO):
<http://www.who.int/peh-emf/en/>.
- International Commission on Non-Ionizing Radiation Protection:
<http://www.icnirp.de>.
- Health Protection Agency:
<http://www.hpa.org.uk/Topics/Radiation/>.

- US Food and Drug Administration:
[http://www.fda.gov/Radiation-EmittingProducts/
RadiationEmittingProductsandProcedures/
HomeBusinessandEntertainment/CellPhones/default.htm](http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm).

Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body

expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum reported value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. For body-worn operation, this phone has been tested and meets

FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.5 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported to the FCC are:

- **Head:** 0.57 W/kg.
- **Body-worn:** 0.63 W/kg.

SAR information on this and other model phones can be accessed online on the FCC's website through <http://transition.fcc.gov/oet/rfsafety/sar.html>. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional

SAR information can also be obtained at <http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones>.

FCC Part 15 Information to User

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception,

which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Commercial Mobile Alerting System (CMAS)

This device is designed to receive wireless emergency alerts from the Commercial Mobile Alerting System ("CMAS"; which may also be known as the Personal Localized Alerting Network ("PLAN")). If your wireless provider has chosen to participate in CMAS/PLAN, alerts are available while in the provider's coverage area. If you travel outside your provider's coverage area, wireless emergency alerts may not be available. For more information, please contact your wireless provider.

Smart Practices While Driving

On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired.** Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require.

Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your phone within easy reach;
- Place calls when you are not moving;
- Plan calls when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;
- Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to <http://www.ctia.org>.

Battery Use and Safety

Important! Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

- **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery.** Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.

- **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.
- **Do not place your battery in or near a heat source.** Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.
- **Do not dispose of the phone or the battery in a fire.** The phone or the battery may explode when overheated.
- **Do not handle a damaged or leaking battery.** Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.

- **Avoid dropping the cell phone.** Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way.**
- **Do not allow the battery to touch metal objects.** Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

Important! Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

WARNING!

Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the phone caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible cell phone batteries and chargers.**

Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers.

Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.

- **Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard.**

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at:

http://pages.samsung.com/us/recyclingdirect/usactivities_environment_samsungrecyclingdirect_locations.jsp

Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at: <http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm> or at <http://www.call2recycle.org/>.

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to http://www.samsung.com/us/aboutsamsung/citizenship/usactivities_environment_samsungrecyclingdirect.html?INT=STA_recycle_your_phone_page and follow the instructions to print out a free pre-paid postage label and then send your old mobile device or battery to the address listed, via U.S. Mail, for recycling.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect

Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

Warning! Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the “Standard Limited Warranty”.

GPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Even with GPS, when you make an emergency call:

- Always tell the emergency responder your location to the best of your ability; and

- Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

Maps, directions, and other navigation-data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. **Therefore, you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs.**

Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances.

Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to

make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

To make an emergency call:

1. If the mobile device is not on, switch it on.
2. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
3. Press the “Send” key. 

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion.

Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution! Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss.

This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before your hearing could be affected.

- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300
Reston, VA 20190

Voice: (800) 222-2336

Email: info@audiology.org

Internet:

<http://www.audiology.org/Pages/default.aspx>

National Institute on Deafness and Other Communication Disorders

National Institutes of Health
31 Center Drive, MSC 2320
Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet:

<http://www.nidcd.nih.gov/>

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W., Suite 9200
Patriots Plaza Building
Washington, DC 20201

Voice: 1-800-35-NIOSH

(1-800-356-4674)

1-800-CDC-INFO (1-800-232-4636)

Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet:

<http://www.cdc.gov/niosh/topics/noise/default.html>

1-888-232-6348 TTY

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: <http://www.fcc.gov/oet/rfsafety/rf-faqs.html#>.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion

or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

When your Device is Wet

Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service center.

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

The U.S. Federal Communications Commission (FCC) has established requirements for digital wireless mobile devices to be compatible with hearing aids and other assistive hearing devices.

When individuals employing some assistive hearing devices (hearing aids and cochlear implants) use wireless mobile devices, they may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not

be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Wireless mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings. M-ratings refer to enabling acoustic coupling with hearing aids that do not operate in telecoil mode.

T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings. T-ratings refer to enabling inductive coupling with hearing aids operating in telecoil mode.

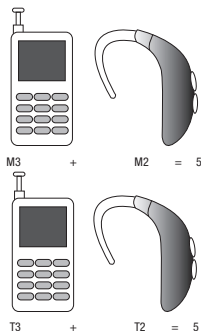
Hearing devices may also be rated. Your hearing aid manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise.

Under the current industry standard, American National Standards Institute (ANSI) C63.19, the hearing aid and wireless mobile device rating values are added together to indicate how usable they are together. For example, if a

hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equals M5.

Under the standard, this should provide the hearing aid user with normal use while using the hearing aid with the particular wireless mobile device. A sum of 6 or more would indicate excellent performance.

However, these are not guarantees that all users will be satisfied. T ratings work similarly.



The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

Cautions

Any changes or modifications to your mobile device not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device.

Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.

- When using a headset in dry environments, static electricity can build up in the headset and cause a small quick static electrical shock. To minimize the risk of electrostatic discharge from the headset avoid using the headset in extremely dry environments or touch a grounded unpainted metal object to discharge static electricity before inserting the headset.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.

- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.
- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.
- Reduce risk of repetitive motion injuries. When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop use and see a physician.
- If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets. [122011]

Section 15: Warranty Information

Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC (“SAMSUNG”) warrants that SAMSUNG’s handsets and accessories (“Products”) are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Case/Pouch/Holster	90 Days
Other Phone Accessories	1 Year

What is not covered?

This Limited Warranty is conditioned upon proper use of the Product.

This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception

or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, at SAMSUNG's sole option, without charge. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace the Product with a rebuilt, reconditioned or new Product.

Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period equal to the

remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. Except to any extent expressly allowed by applicable law, transfer or assignment of this Limited Warranty is prohibited.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, you must return the Product to an authorized phone service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address.

To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-888-987-4357. If SAMSUNG determines that any Product is not covered by this Limited Warranty, you must pay all parts, shipping, and labor charges for the repair or return of such Product.

You should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS.

ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION, COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES; OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT. SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

SAMSUNG MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE

OR SUITABILITY OF ANY THIRD-PARTY SOFTWARE OR EQUIPMENT USED IN CONJUNCTION WITH THE PRODUCT, OR THE ABILITY TO INTEGRATE ANY SUCH SOFTWARE OR EQUIPMENT WITH THE PRODUCT, WHETHER SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG OR OTHERWISE. RESPONSIBILITY FOR THE QUALITY, CAPABILITIES, OPERATIONS, PERFORMANCE AND SUITABILITY OF ANY SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT RESTS SOLELY WITH THE USER AND THE DIRECT VENDOR, OWNER OR SUPPLIER OF SUCH THIRD-PARTY SOFTWARE OR EQUIPMENT.

Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY.

Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are \$5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or \$50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees.

Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed \$5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important! Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Samsung Telecommunications America, LLC
1301 E. Lookout Drive
Richardson, Texas 75082

Phone: 1-800-SAMSUNG
Phone: 1-888-987-HELP (4357)

©2012 Samsung Telecommunications America, LLC. All rights reserved.

No reproduction in whole or in part allowed without prior written approval. Specifications and availability subject to change without notice. [111611]

End User License Agreement for Software

IMPORTANT. READ CAREFULLY: This End User License Agreement (“EULA”) is a legal agreement between you (either an individual or a single entity) and Samsung Electronics Co., Ltd. for software owned by Samsung Electronics Co., Ltd. and its affiliated companies and its third party suppliers and licensors that accompanies this EULA, which includes computer software and may include associated media, printed materials, “online” or electronic documentation (“Software”).

BY CLICKING THE “I ACCEPT” BUTTON (OR IF YOU BYPASS OR OTHERWISE DISABLE THE “I ACCEPT”, AND STILL INSTALL, COPY, DOWNLOAD, ACCESS OR OTHERWISE USE THE SOFTWARE), YOU AGREE TO BE BOUND BY THE TERMS OF THIS EULA. IF YOU DO NOT ACCEPT THE TERMS IN THIS EULA, YOU MUST CLICK THE “DECLINE” BUTTON, AND DISCONTINUE USE OF THE SOFTWARE.

1. GRANT OF LICENSE. Samsung grants you the following rights provided that you comply with all terms and conditions of this EULA: You may install, use, access, display and run one copy of the Software on the local hard disk(s) or other permanent storage media of one computer and use the Software on a single computer or a mobile device at a time, and you may not make the Software available over a network where it could be used by multiple computers at the same time. You may make one copy of the Software in machine-readable form for backup purposes only; provided that the backup copy must include all copyright or other proprietary notices contained on the original.

2. RESERVATION OF RIGHTS AND OWNERSHIP. Samsung reserves all rights not expressly granted to you in this EULA. The Software is protected by copyright and other intellectual

property laws and treaties. Samsung or its suppliers own the title, copyright and other intellectual property rights in the Software. The Software is licensed, not sold.

3. LIMITATIONS ON END USER RIGHTS. You may not reverse engineer, decompile, disassemble, or otherwise attempt to discover the source code or algorithms of, the Software (except and only to the extent that such activity is expressly permitted by applicable law notwithstanding this limitation), or modify, or disable any features of, the Software, or create derivative works based on the Software. You may not rent, lease, lend, sublicense or provide commercial hosting services with the Software.

4. CONSENT TO USE OF DATA. You agree that Samsung and its affiliates may collect and use technical information gathered as part of the product support services related to the Software provided to you, if any, related to the Software. Samsung may use this information solely to improve its products or to provide customized services or technologies to you and will not disclose this information in a form that personally identifies you.

5. UPGRADES. This EULA applies to updates, supplements and add-on components (if any) of the Software that Samsung may provide to you or make available to you after

the date you obtain your initial copy of the Software, unless we provide other terms along with such upgrade. To use Software identified as an upgrade, you must first be licensed for the Software identified by Samsung as eligible for the upgrade. After upgrading, you may no longer use the Software that formed the basis for your upgrade eligibility.

6. SOFTWARE TRANSFER. You may not transfer this EULA or the rights to the Software granted herein to any third party unless it is in connection with the sale of the mobile device which the Software accompanied. In such event, the transfer must include all of the Software (including all component parts, the media and printed materials, any upgrades, this EULA) and you may not retain any copies of the Software. The transfer may not be an indirect transfer, such as a consignment. Prior to the transfer, the end user receiving the Software must agree to all the EULA terms.

7. EXPORT RESTRICTIONS. You acknowledge that the Software is subject to export restrictions of various countries. You agree to comply with all applicable international and national laws that apply to the Software, including the U.S. Export Administration Regulations, as well as end user, end use, and destination restrictions issued by U.S. and other governments.

8. **TERMINATION.** This EULA is effective until terminated. Your rights under this License will terminate automatically without notice from Samsung if you fail to comply with any of the terms and conditions of this EULA. Upon termination of this EULA, you must cease all use of the Software and destroy all copies, full or partial, of the Software.

9. **THIRD-PARTY APPLICATIONS.** Certain third-party applications may be included with, or downloaded to this mobile device. SAMSUNG makes no representations whatsoever about any of these applications. Since SAMSUNG has no control over such applications, Purchaser acknowledges and agrees that SAMSUNG is not responsible for the availability of such applications and is not responsible or liable for any content, advertising, products, services, or other materials on or available from such applications. Purchaser expressly acknowledges and agrees that use of third-party applications is at Purchaser's sole risk and that the entire risk of unsatisfactory quality, performance, accuracy and effort is with Purchaser. It is up to Purchaser to take precautions to ensure that whatever Purchaser selects to use is free of such items as viruses, worms, Trojan horses, and other items of a destructive nature. References on this mobile device to any names, marks, products, or services of any third-parties are provided solely as a convenience to

Purchaser, and do not constitute or imply an endorsement, sponsorship, or recommendation of, or affiliation with the third-party or its products and services. Purchaser agrees that SAMSUNG shall not be responsible or liable, directly or indirectly, for any damage or loss caused or alleged to be caused by, or in connection with, use of or reliance on any such third-party content, products, or services available on or through any such application. Purchaser acknowledges and agrees that your use of any third-party application is governed by such third-party application provider's Terms of Use, License Agreement, Privacy Policy, or other such agreement and that any information or personal data you provide, whether knowingly or unknowingly, to such third-party application provider, will be subject to such third-party application provider's privacy policy, if such a policy exists. SAMSUNG DISCLAIMS ANY RESPONSIBILITY FOR ANY DISCLOSURE OF INFORMATION OR ANY OTHER PRACTICES OF ANY THIRD-PARTY APPLICATION PROVIDER.

10. **Disclaimer of Warranty Regarding Third-Party Applications.** SAMSUNG DOES NOT WARRANT OR MAKE ANY REPRESENTATIONS REGARDING THE AVAILABILITY, USE, TIMELINESS, SECURITY, VALIDITY, ACCURACY, OR RELIABILITY OF, OR THE RESULTS OF THE USE OF, OR OTHERWISE RESPECTING, THE CONTENT OF ANY

THIRD-PARTY APPLICATION WHETHER SUCH THIRD-PARTY APPLICATION IS INCLUDED WITH THE PRODUCT DISTRIBUTED BY SAMSUNG, IS DOWNLOADED, OR OTHERWISE OBTAINED. USE OF ANY THIRD-PARTY APPLICATION IS DONE AT PURCHASER'S OWN DISCRETION AND RISK AND PURCHASER IS SOLELY RESPONSIBLE FOR ANY DAMAGE TO YOUR MOBILE DEVICE OR LOSS OF DATA THAT RESULTS FROM THE DOWNLOADING OR USE OF SUCH THIRD-PARTY APPLICATIONS. SAMSUNG EXPRESSLY DISCLAIMS ANY WARRANTY REGARDING WHETHER PURCHASER'S PERSONAL INFORMATION IS CAPTURED BY ANY THIRD-PARTY APPLICATION PROVIDER OR THE USE TO WHICH SUCH PERSONAL INFORMATION MAY BE PUT BY SUCH THIRD-PARTY APPLICATION PROVIDER. ANY THIRD-PARTY APPLICATIONS PROVIDED WITH THIS MOBILE DEVICE ARE PROVIDED "AS IS" AND ON AN "AS AVAILABLE" BASIS, WITHOUT WARRANTIES OF ANY KIND FROM SAMSUNG, EITHER EXPRESS OR IMPLIED. TO THE FULLEST EXTENT POSSIBLE PURSUANT TO APPLICABLE LAW, SAMSUNG DISCLAIMS ALL WARRANTIES EXPRESS, IMPLIED, OR STATUTORY, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY, SATISFACTORY QUALITY OR WORKMANLIKE EFFORT, FITNESS FOR A PARTICULAR PURPOSE, RELIABILITY OR AVAILABILITY,

ACCURACY, LACK OF VIRUSES, QUIET ENJOYMENT, NON-INFRINGEMENT OF THIRD PARTY RIGHTS OR OTHER VIOLATION OF RIGHTS. SAMSUNG DOES NOT WARRANT AGAINST INTERFERENCE WITH YOUR ENJOYMENT OF THE THIRD-PARTY APPLICATION, THAT THE FUNCTIONS CONTAINED IN THE THIRD-PARTY APPLICATION WILL MEET PURCHASER'S REQUIREMENTS, THAT THE OPERATION OF THE THIRD-PARTY APPLICATION WILL BE UNINTERRUPTED OR ERROR-FREE, OR THAT DEFECTS IN THE THIRD-PARTY APPLICATION WILL BE CORRECTED. PURCHASER ASSUMES THE ENTIRE COST OF ALL NECESSARY SERVICING, REPAIR, OR CORRECTION. SOME JURISDICTIONS DO NOT ALLOW EXCLUSIONS OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. NO ADVICE OR INFORMATION, WHETHER ORAL OR WRITTEN, OBTAINED BY PURCHASER FROM SAMSUNG SHALL BE DEEMED TO ALTER THIS DISCLAIMER OF WARRANTY REGARDING THIRD-PARTY APPLICATIONS, OR TO CREATE ANY WARRANTY.

11. Limitation of Liability. SAMSUNG WILL NOT BE LIABLE FOR ANY DAMAGES OF ANY KIND ARISING OUT OF OR RELATING TO THE USE OR THE INABILITY TO USE ANY THIRD-PARTY APPLICATION, ITS CONTENT OR FUNCTIONALITY, INCLUDING BUT NOT LIMITED TO DAMAGES

CAUSED BY OR RELATED TO ERRORS, OMISSIONS, INTERRUPTIONS, DEFECTS, DELAY IN OPERATION OR TRANSMISSION, COMPUTER VIRUS, FAILURE TO CONNECT, NETWORK CHARGES, AND ALL OTHER DIRECT, INDIRECT, SPECIAL, INCIDENTAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. NOT WITHSTANDING THE FOREGOING, SAMSUNG'S TOTAL LIABILITY TO PURCHASER FOR ALL LOSSES, DAMAGES, CAUSES OF ACTION, INCLUDING BUT NOT LIMITED TO THOSE BASED ON CONTRACT, TORT, OR OTHERWISE, ARISING OUT OF PURCHASER'S USE OF THIRD-PARTY APPLICATIONS ON THIS MOBILE DEVICE, OR ANY OTHER PROVISION OF THIS EULA, SHALL NOT EXCEED THE AMOUNT PURCHASER PAID SPECIFICALLY FOR ANY SUCH THIRD-PARTY APPLICATION THAT WAS INCLUDED WITH THIS MOBILE DEVICE. THE FOREGOING LIMITATIONS, EXCLUSIONS, AND DISCLAIMERS (INCLUDING SECTIONS 9, 10, AND 11) SHALL APPLY TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, EVEN IF ANY REMEDY FAILS ITS ESSENTIAL PURPOSE.

12. U.S. Government End Users Restricted Rights. The Software is licensed only with "restricted rights" and as "commercial items" consisting of "commercial software" and "commercial software documentation" with only those rights as are granted to all other end users pursuant to the terms and conditions herein. All Software and Products provided to the United States Government pursuant to solicitations issued on or after December 1, 1995 is provided with the commercial rights and restrictions described elsewhere herein. All Software and Products provided to the United States Government pursuant to solicitations issued prior to December 1, 1995 are provided with RESTRICTED RIGHTS as provided for in FAR, 48 CFR 52.227-14 (JUNE 1987) or DFAR, 48 CFR 252.227-7013 (OCT 1988), as applicable.

13. APPLICABLE LAW. This EULA is governed by the laws of TEXAS, without regard to conflicts of laws principles. This EULA shall not be governed by the UN Convention on Contracts for the International Sale of Goods, the application of which is expressly excluded. If a dispute, controversy or difference is not amicably settled, it shall be finally resolved by arbitration in Seoul, Korea in accordance with the

Arbitration Rules of the Korean Commercial Arbitration Board. The award of arbitration shall be final and binding upon the parties.

14. ENTIRE AGREEMENT; SEVERABILITY. This EULA is the entire agreement between you and Samsung relating to the Software and supersedes all prior or contemporaneous oral or written communications, proposals and representations with respect to the Software or any other subject matter covered by this EULA. If any provision of this EULA is held to be void, invalid, unenforceable or illegal, the other provisions shall continue in full force and effect.

Symbols

@metro

- Applications Shopping and Downloading 79
- Launching 78
- On-line Help 80
- Settings 79

A

Accessing Your Phone's Tools 88

Adding a New Contacts Entry

- Dial Method 38
- Menu Method 39

Adjust

- Key Tone 107

Alarm Clock

- When an Alarm Sounds 94

Alarm clock

- Turn Off the Alarm 94

Alerts 107

Apps

- Buying 80
- Disabled 80
- Expired 81
- Removing 80
- Restoring 80

Auto Answer 107

Auto Retry 108

B

Backlight 106

Banner 106

Battery 6

- Charging 8
- Low Battery Indicator 9
- Removal 7
- Travel Adapter 8

Battery Use & Safety 124

Bluetooth settings 88

C

Calculator 96

Calendar

- View an Event 91

Call Answer 31, 107

Call Functions

- Answering a Call 31
- Making a Call 26

Call Notification Types 31

Call Settings

- Auto Answer 107
- Auto Retry 108
- Call Answer 107
- TTY Mode 108
- Voice Privacy 108

Call Timer 35

Call Waiting 32

Calls

- Call Timer 35
- Data Counter 35
- Erase Logs 34
- Incoming 34
- Missed 34
- Outgoing 34
- Store Numbers 36

Calls Menu 33

Camera

- Brightness 76
- Options 75
- Photo Gallery 77
- Taking Pictures 72

Canned Message Text

- Editing and Entering 69

Care and Maintenance 130

Change Lock 110

Children and Cell Phones 120

Commercial Mobile Alerting System (CMAS) 123

Contacts 37

- Add Pauses 45
- Adding 38
- Deleting 52
- Edit Name and Numbers 44
- Editing 44
- Erase All 112
- Finding 40
- Groups 49
- Memory Info 52
- Opening 37
- Saving Call Numbers 39
- Speed Dial 47

Create Messages 53

D

Data Counter 35

Data, View Counters 35

Dialing Font Size 106

Display 105

Display / Touch-Screen 128

Display Screen Icons 19

Display Setting

- Dialing Font 106

Display Settings

- Backlight 106
- Banner 106
- Dialing Font Size 106
- Front Contrast 106
- Theme 106
- Wallpaper 105

Do cell phones pose a health hazard? 116

Draft Folder 61

Draft Messages 61

E

- Edit Contacts Name and Numbers** 44
- Emergency** 111
- Emergency #s in Lock Mode** 111
- Emergency Calls** 129
- Emergency Numbers** 111
- Entering Text**
 - Entering Symbols 25
 - Using Abc Mode 25
 - Using T9 Mode 24
- Erase All Entry** 112
- Erase Logs** 34
- Erase Messages** 68
- Exposure to Radio Frequency (RF) Signals** 116

F

- FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices** 135
- FCC Notice and Cautions** 136

G

- Gallery, photo** 77
- General Message Settings** 69
- Getting Started**
 - Activating Your Phone 9
 - Understanding this User Manual 5
 - Voicemail 10
- Go Back One Menu** 21
- GPS** 128
- GPS Setting** 105

H

- Health and Safety Information** 116

I

- Icons**
 - Number Type 38
- Ignore Calls** 32
- Inbox Folder** 60
- Inbox, Reviewing Messages** 60
- Incoming Calls Menu** 34
- International Calls** 27

L

- Language** 109
- Lock Code, Changing** 110
- Lock Phone** 110

M

- Memory Card**
 - Installing 11
 - Removing 12
- Memory Info** 115
- Memory Management** 115
- Message Folder**
 - Draft Box 61
 - Inbox 60
 - Outbox 61
 - Voice 59
 - Voicemail 59
- Message folder**
 - outbox 61
- Message Folders**
 - Erase Messages 68
- Message Settings, General** 69
- Messages**
 - Creating 53
- Messages and Lock Mode** 59

microSD

Installing 11

Removing 12

Missed Calls Menu 34

Msg Setting Sub Menu 69

N

Navigation Key Shortcuts 21

Notes and Tips 5

Notes, Description 5

Number Type Icons 38

O

Operating Environment 133

Other Important Safety Information

137

Outbox Folder 61

Outbox, Reviewing Messages 61

Outgoing 34

P

Pause Dial 28, 45

Pauses, Adding 45

Personal Localized Alerting Network (PLAN) 123

Phone Settings

Airplane Mode 109

Language 109

NAM Selection 113

Quick Search 114

Security 109

Set Time 113

System Select 113

Photos

Sending 74

Taking Multi Shot Pictures 73

Taking Snap Shots 72

Picture Message Settings 70

Picture Messages

Send in Camera Mode 54

R

Receive Text Messages 58

Reducing Exposure

Hands-Free Kits and Other

Accessories 119

Reset Your Phone 111

Responsible Listening 130

Restricting Children's Access to Your Mobile device 136

Restriction 112

Return to Last Menu 21

Reviewing Inbox 60

Reviewing Outbox 61

Ringer Type 107

S

Samsung Mobile Products and

Recycling 126

Save a Number After a Call 39

Security Settings

Change Lock 110

Emergency # 111

Erase All Entries 112

Lock Phone 110

Reset Phone 111

Restriction 112

Security Sub Menu 109

Settings

Auto Answer 107

Auto Retry 108

Backlight 106

Banner 106

Call Answer 107

Language 109

Location Setting 105

Memory Info 115

Ringer Type 107

TTY Mode 108

Voice Privacy 108

Volume 107

Wallpaper 105

Settings, Picture Messages 70

Settings, Text Messages 70

Silence Ringer 32

Smart Practices While Driving 123

Sound Settings

Ringer Type 107

Volume 107

Specific Absorption Rate (SAR)

Certification Information 121

Standard Limited Warranty 139

Store Emergency #s 111

Store Numbers After a Call 39

T

Taking pictures 72

Text Conventions 6

Text Entry Mode 23

Changing 23

Text Message Settings 70

Text Messages, Receiving 58

Three-Way Calling 27

Timer, Calls 35

Tip, Description 5

Tools

Add New Event 92

Alarm Clock 93

Calculator 96

Memo Pad 92

World Time 94

Tools Menu

Accessing 88

TTY Mode 108

U

UL Certified Travel Charger 127

Understanding Your Contacts

Adding a New Contacts Entry 38

Contacts Groups 49

Deleting a Contacts Entry 52

Editing an Existing Contacts
Entry 44

Finding a Contacts Entry 40

Memory Info 52

Save a Number After a Call 39

Speed Dial 47

Understanding Your Phone

Closed View of Your Phone 14

Display Screen 18

Features of Your Phone 13

Open View of Your Phone 16

V

View an Event, Calendar 91

Voice Privacy 108

Voice Setting

About VoiceSignal 104

Confirm Choices 101

Key Settings 104

Prompts 103

Sensitivity 101

Voicemail

Checking 59

Folder 59

Listening to 11

Volume 107

W

Wallpaper 105

Warranty Information 139

World Time 94